

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024500.D
 Acq On : 13 Jun 2018 11:56
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 13 13:04:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	195345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	303052	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	280445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	158455	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	16702	4.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.64%	
35) Dibromofluoromethane	4.89	113	13172	4.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.46%	
50) Toluene-d8	7.57	98	46850	4.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.06%	
62) 4-Bromofluorobenzene	10.31	95	17743	4.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	12061	4.07	ug/l	98
3) Chloromethane	1.33	50	12647	3.67	ug/l	95
4) Vinyl Chloride	1.40	62	13415	3.49	ug/l	100
5) Bromomethane	1.62	94	6301	2.99	ug/l	100
6) Chloroethane	1.70	64	8053	3.10	ug/l	96
7) Trichlorofluoromethane	1.89	101	20143	3.86	ug/l	93
8) Diethyl Ether	2.10	74	7783	3.73	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.29	101	12212	4.21	ug/l #	93
10) Methyl Iodide	2.41	142	4246	2.31	ug/l #	91
11) Tert butyl alcohol	2.83	59	22890	31.15	ug/l	96
12) 1,1-Dichloroethene	2.28	96	12171	4.47	ug/l	89
13) Acrolein	2.19	56	11383	14.88	ug/l	98
14) Allyl chloride	2.60	41	22032	4.77	ug/l	93
15) Acrylonitrile	2.94	53	38071	19.40	ug/l	99
16) Acetone	2.32	43	41539	16.82	ug/l	99
17) Carbon Disulfide	2.48	76	36329	4.34	ug/l	99
18) Methyl Acetate	2.62	43	17485	3.56	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	42125	4.93	ug/l	100
20) Methylene Chloride	2.70	84	13524	3.99	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	12171	4.17	ug/l	98
22) Diisopropyl ether	3.57	45	42115	4.53	ug/l #	86
23) Vinyl Acetate	3.53	43	185010	27.07	ug/l	99
24) 1,1-Dichloroethane	3.45	63	23602	4.05	ug/l	97
25) 2-Butanone	4.27	43	56253	19.05	ug/l	96
26) 2,2-Dichloropropane	4.23	77	22412	5.05	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	14571	4.59	ug/l	100
28) Bromochloromethane	4.55	49	10792	5.06	ug/l	90
29) Tetrahydrofuran	4.64	42	35533	21.09	ug/l	96
30) Chloroform	4.68	83	24034	4.07	ug/l	99
31) Cyclohexane	5.00	56	25753	4.46	ug/l #	88
32) 1,1,1-Trichloroethane	4.92	97	21786	4.59	ug/l	97
36) 1,1-Dichloropropene	5.14	75	18143	4.20	ug/l	95
37) Ethyl Acetate	4.39	43	19044	3.93	ug/l #	89
38) Carbon Tetrachloride	5.14	117	20081	4.88	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024500.D
 Acq On : 13 Jun 2018 11:56
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 13 13:04:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	21450	4.59	ug/l	95
40) Benzene	5.39	78	51570	3.96	ug/l	97
41) Methacrylonitrile	4.55	41	10502	3.86	ug/l #	96
42) 1,2-Dichloroethane	5.41	62	19202	3.85	ug/l	95
43) Isopropyl Acetate	5.55	43	33034	4.47	ug/l	96
44) Trichloroethene	6.19	130	14144	4.16	ug/l	99
45) 1,2-Dichloropropane	6.44	63	13658	3.90	ug/l	99
46) Dibromomethane	6.56	93	9774	4.21	ug/l	95
47) Bromodichloromethane	6.76	83	19522	4.35	ug/l #	98
48) Methyl methacrylate	6.63	41	16278	4.50	ug/l	96
49) 1,4-Dioxane	6.62	88	6064	79.39	ug/l #	78
51) 4-Methyl-2-Pentanone	7.46	43	106169	19.93	ug/l	97
52) Toluene	7.64	92	32799	4.24	ug/l	98
53) t-1,3-Dichloropropene	7.89	75	20597	4.41	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	22013	4.32	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	12601	3.80	ug/l	94
56) Ethyl methacrylate	8.02	69	21683	5.01	ug/l	96
57) 1,3-Dichloropropane	8.25	76	22364	3.92	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	42363	19.04	ug/l	95
59) 2-Hexanone	8.36	43	85118	19.97	ug/l	99
60) Dibromochloromethane	8.48	129	15829	4.70	ug/l	99
61) 1,2-Dibromoethane	8.59	107	15039	4.33	ug/l	99
64) Tetrachloroethene	8.23	164	13962	5.01	ug/l	98
65) Chlorobenzene	9.12	112	36609	4.49	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	14186	5.06	ug/l	99
67) Ethyl Benzene	9.26	91	63907	4.86	ug/l	97
68) m/p-Xylenes	9.38	106	49256	9.83	ug/l	96
69) o-Xylene	9.78	106	24735	5.35	ug/l	94
70) Styrene	9.80	104	39411	5.01	ug/l	98
71) Bromoform	9.96	173	12764	5.28	ug/l #	95
73) Isopropylbenzene	10.17	105	63738	5.83	ug/l	98
74) N-amyl acetate	10.02	43	30047	6.08	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.46	83	20438	4.31	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	26163	7.87	ug/l	82
77) Bromobenzene	10.46	156	16104	5.32	ug/l	93
78) n-propylbenzene	10.59	91	75667	5.59	ug/l	96
79) 2-Chlorotoluene	10.66	91	43538	5.30	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	55557	6.00	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	26163	16.70	ug/l #	100
82) 4-Chlorotoluene	10.78	91	50997	5.35	ug/l	98
83) tert-Butylbenzene	11.10	119	53481	5.93	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	56228	6.01	ug/l	99
85) sec-Butylbenzene	11.33	105	66144	5.84	ug/l	97
86) p-Isopropyltoluene	11.48	119	58336	5.83	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	28681	4.93	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	29793	4.90	ug/l	98
89) n-Butylbenzene	11.90	91	50235	5.10	ug/l	96
90) Hexachloroethane	12.15	117	11278	6.29	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	29119	5.01	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.66	75	5526	5.71	ug/l	94

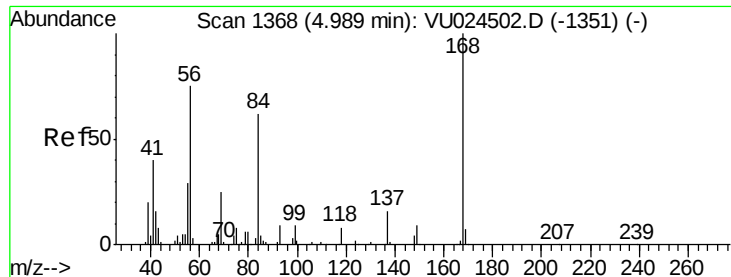
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
Data File : VU024500.D
Acq On : 13 Jun 2018 11:56
Operator : MD/SY
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Quant Time: Jun 13 13:04:43 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:03:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	15864	4.62	ug/l	96
94) Hexachlorobutadiene	13.70	225	9879	4.84	ug/l	100
95) Naphthalene	13.75	128	44133	4.70	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	15680	4.52	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

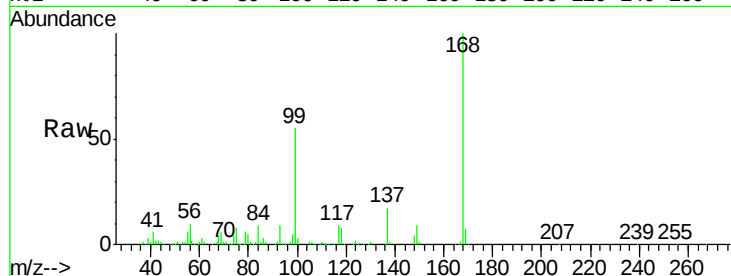
VSTDIC005

Tgt Ion:168 Resp: 195345

Ion Ratio Lower Upper

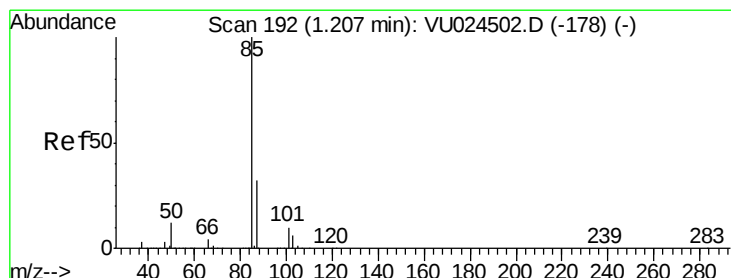
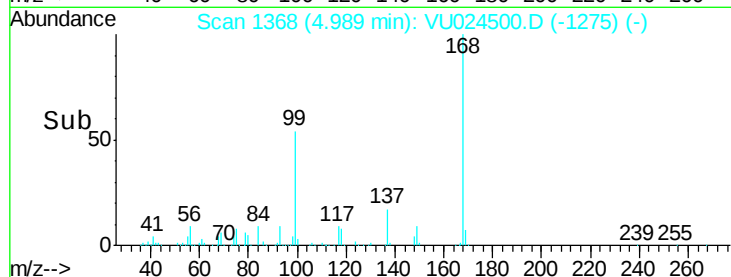
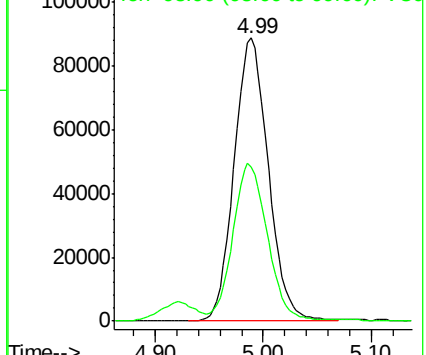
168 100

99 54.1 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 4.07 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024500.D

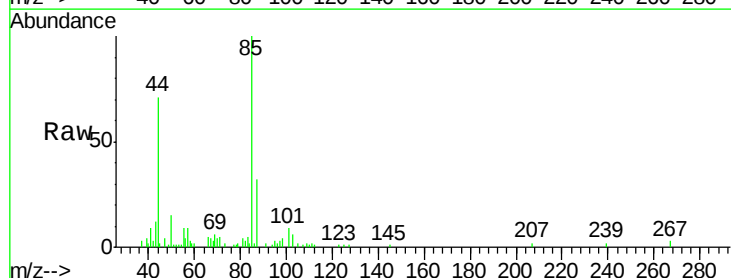
Acq: 13 Jun 2018 11:56

Tgt Ion: 85 Resp: 12061

Ion Ratio Lower Upper

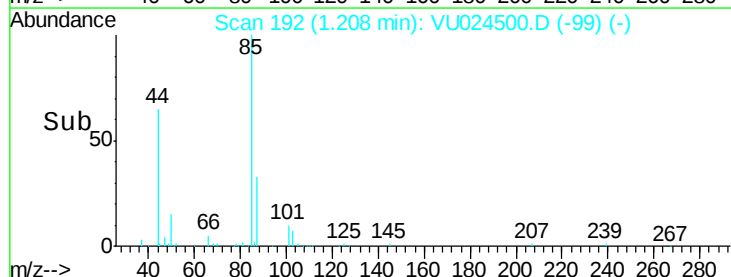
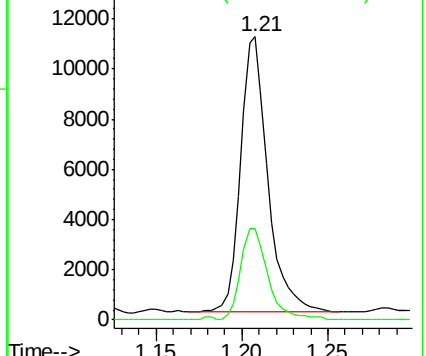
85 100

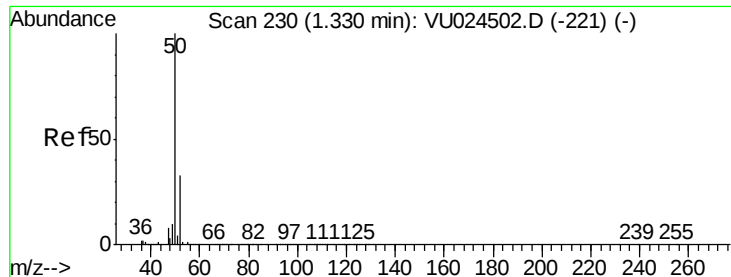
87 33.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 3.67 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

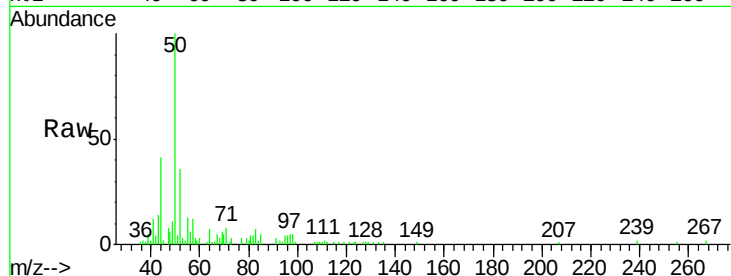
VSTDIC005

Tgt Ion: 50 Resp: 12647

Ion Ratio Lower Upper

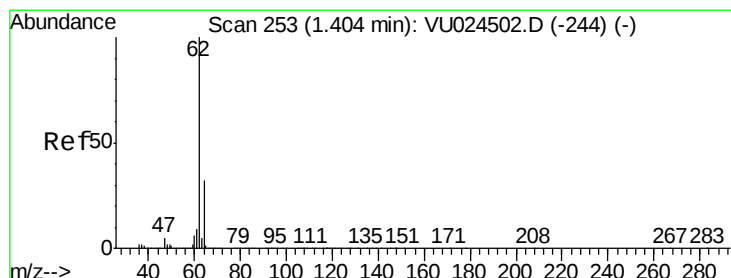
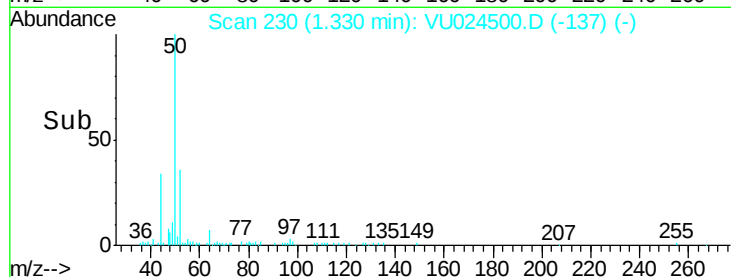
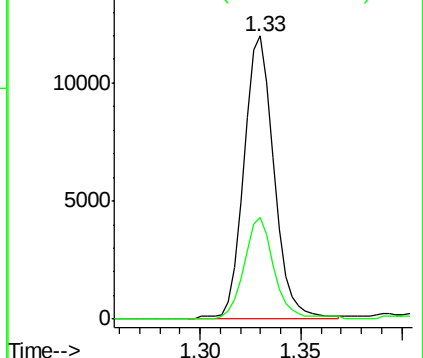
50 100

52 36.0 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 3.49 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024500.D

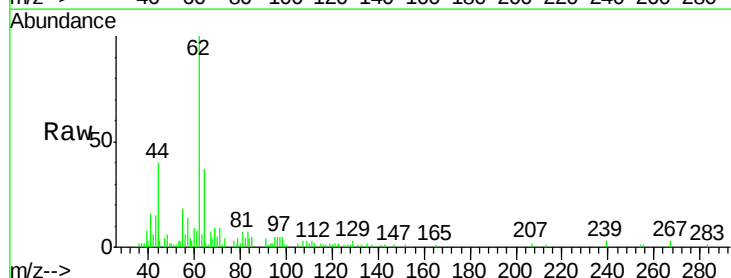
Acq: 13 Jun 2018 11:56

Tgt Ion: 62 Resp: 13415

Ion Ratio Lower Upper

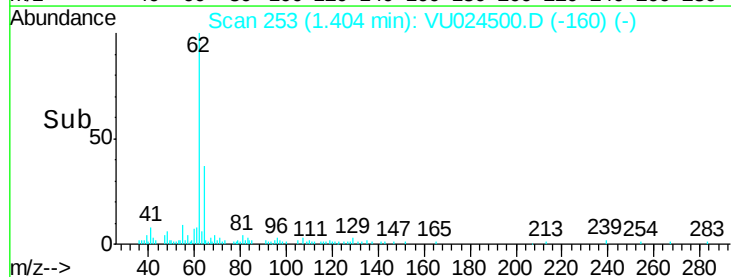
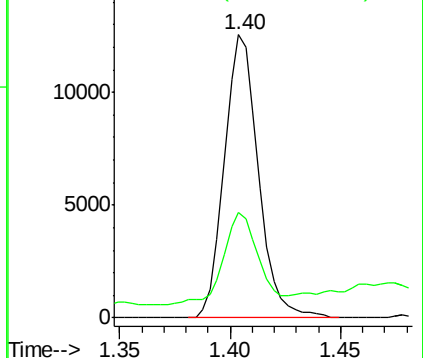
62 100

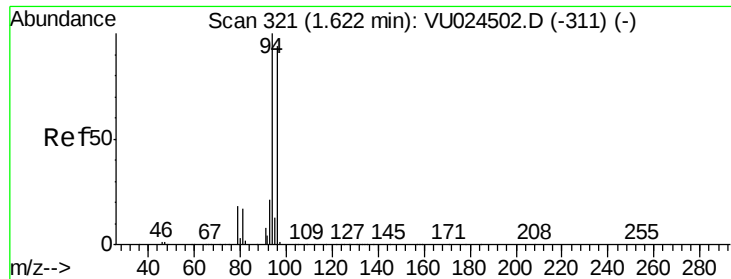
64 30.9 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 2.99 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

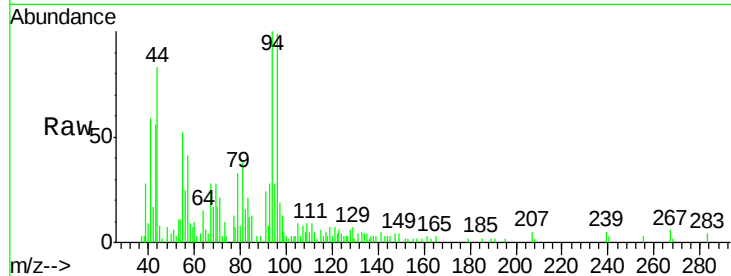
VSTDIC005

Tgt Ion: 94 Resp: 6301

Ion Ratio Lower Upper

94 100

96 93.2 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

6000

5000

4000

3000

2000

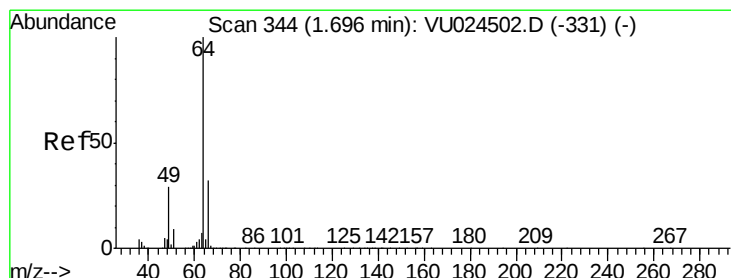
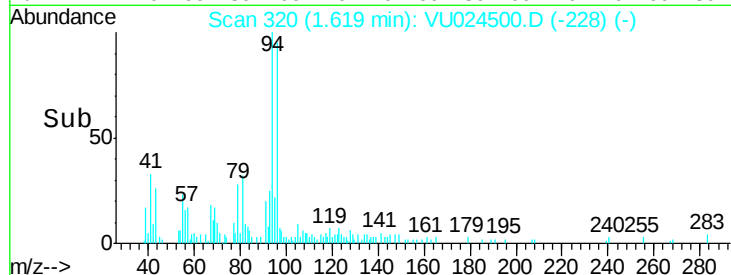
1000

0

1.60

1.65

Time-->



#6

Chloroethane

Concen: 3.10 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024500.D

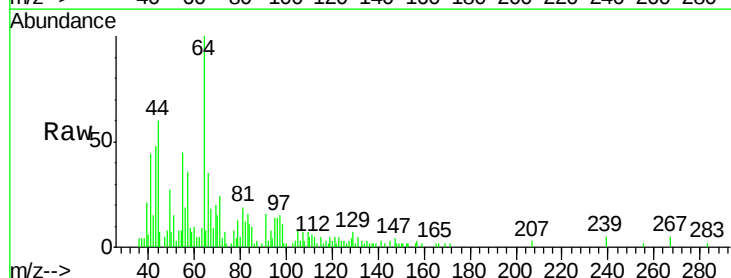
Acq: 13 Jun 2018 11:56

Tgt Ion: 64 Resp: 8053

Ion Ratio Lower Upper

64 100

66 34.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

6000

4000

2000

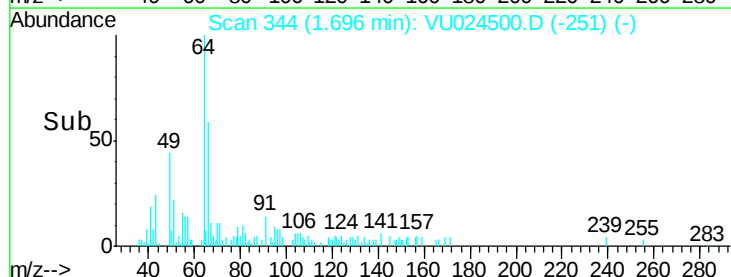
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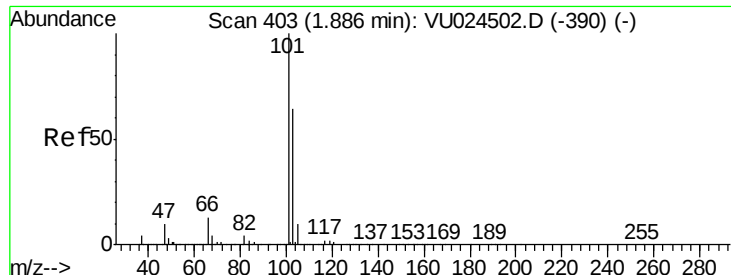
1.65

1.70

1.75

Time-->





#7

Trichlorofluoromethane

Concen: 3.86 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

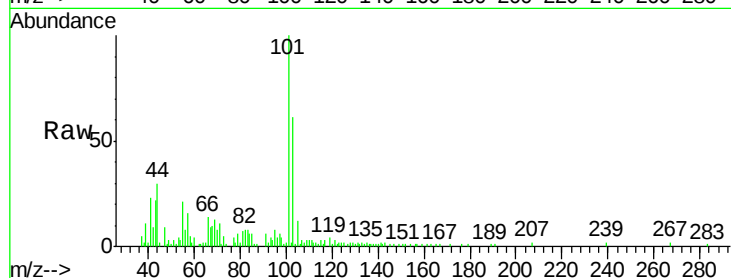
VSTDIC005

Tgt Ion:101 Resp: 20143

Ion Ratio Lower Upper

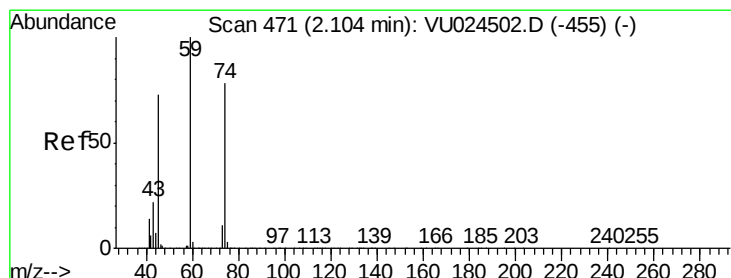
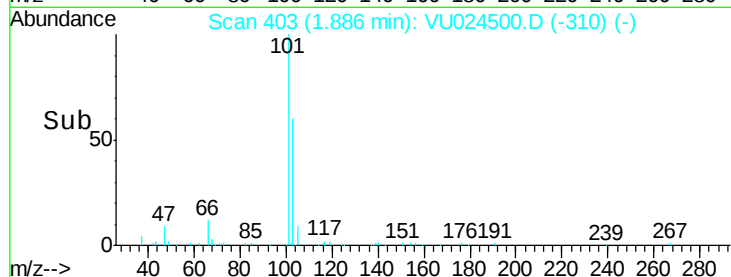
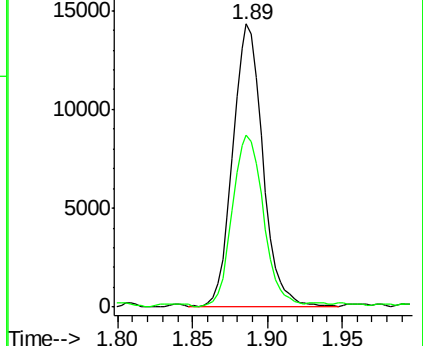
101 100

103 59.9 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 3.73 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU024500.D

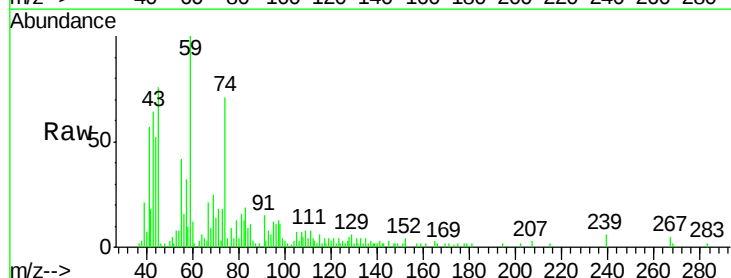
Acq: 13 Jun 2018 11:56

Tgt Ion: 74 Resp: 7783

Ion Ratio Lower Upper

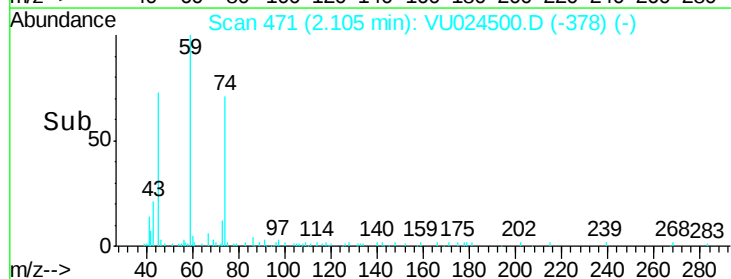
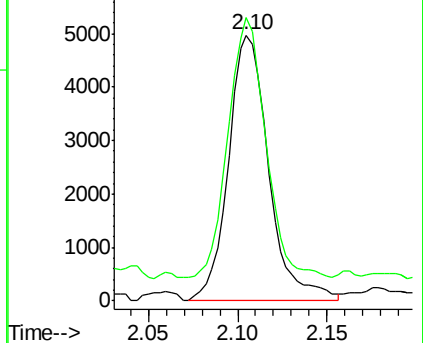
74 100

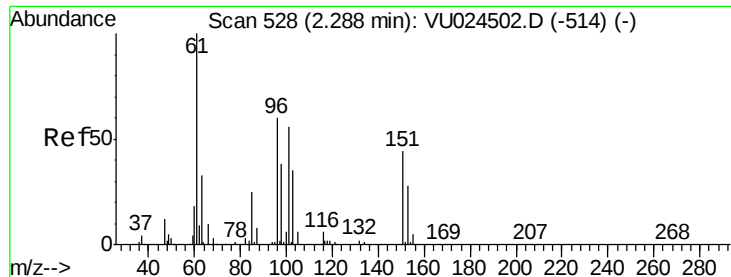
45 91.2 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.21 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

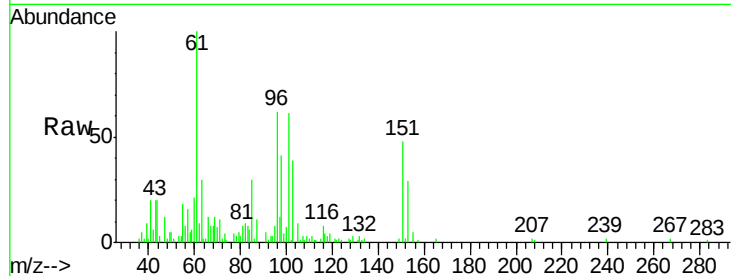
Tgt Ion:101 Resp: 12212

Ion Ratio Lower Upper

101 100

85 54.2 36.0 54.0#

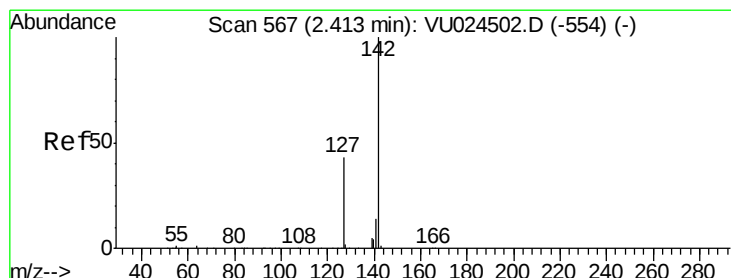
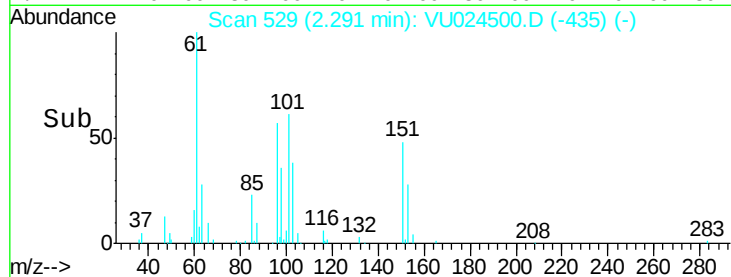
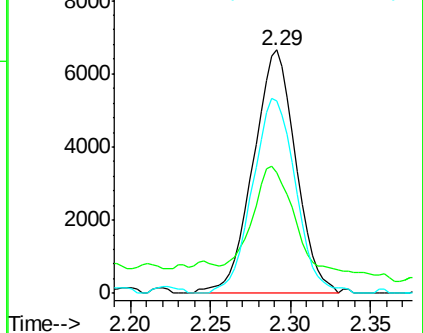
151 80.8 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.31 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

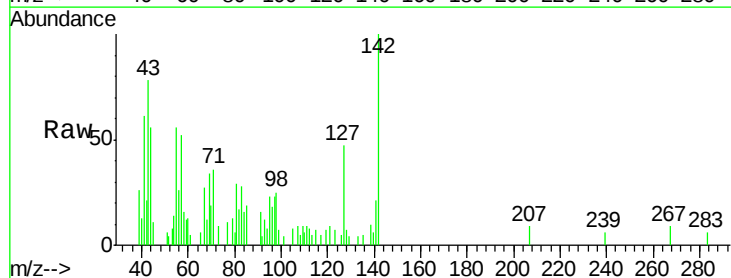
Tgt Ion:142 Resp: 4246

Ion Ratio Lower Upper

142 100

127 49.9 35.6 53.4

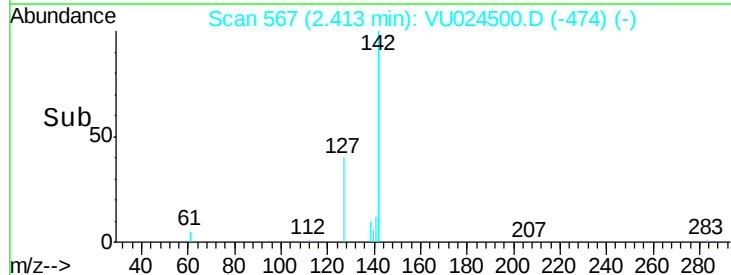
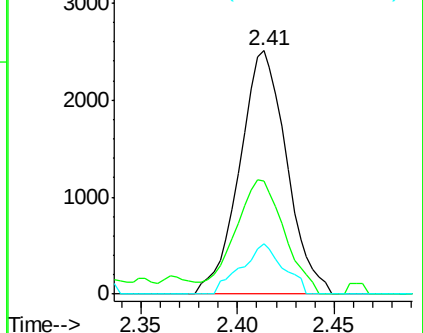
141 18.4 11.7 17.5#

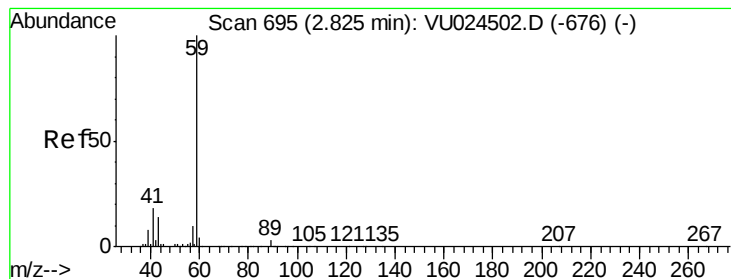


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



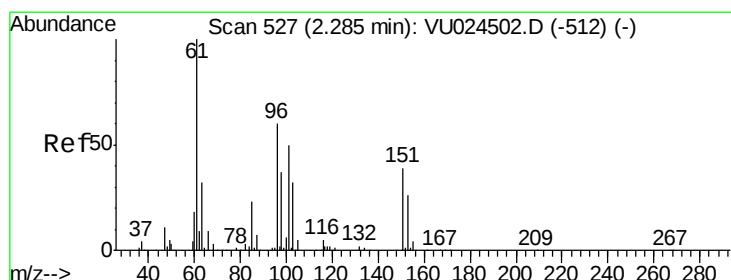
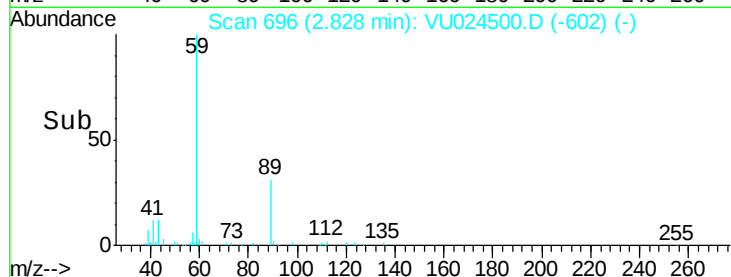
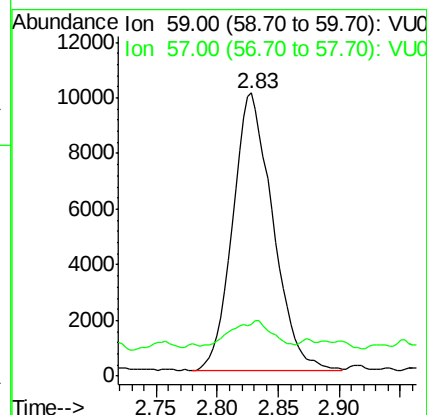
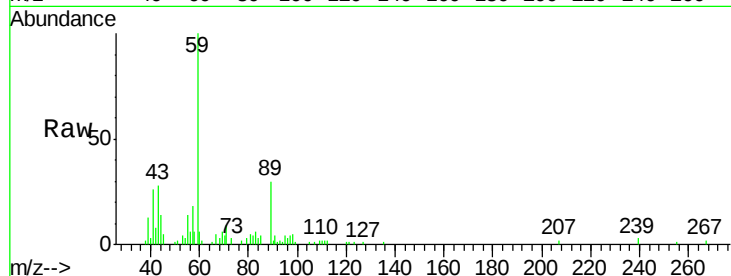


#11

Tert butyl alcohol
Concen: 31.15 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

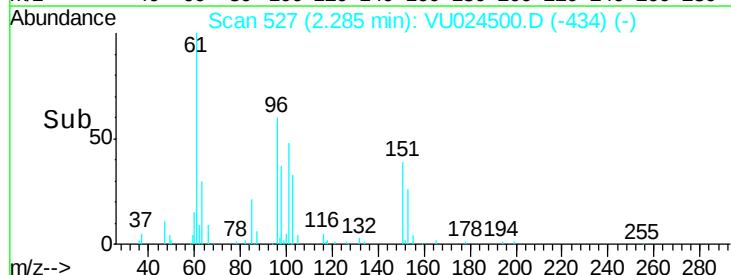
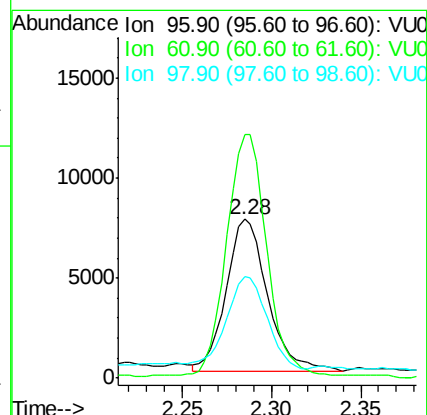
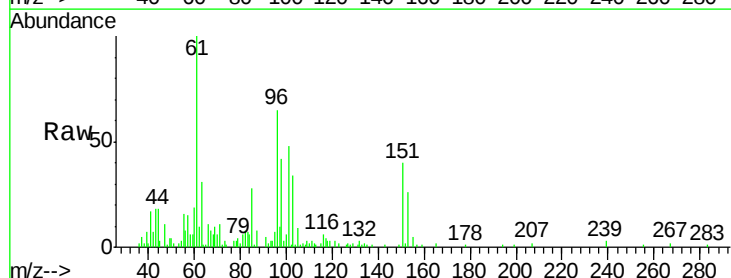
Tgt Ion: 59 Resp: 22890
Ion Ratio Lower Upper
59 100
57 9.0 8.5 12.7

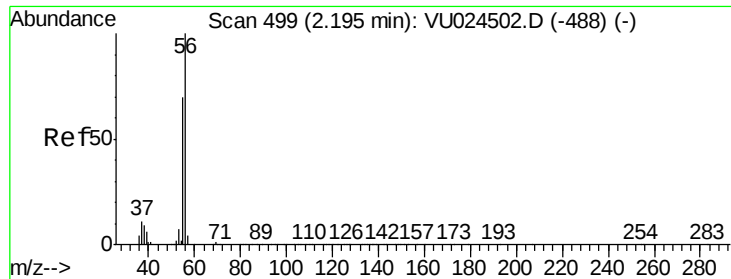


#12

1,1-Dichloroethene
Concen: 4.47 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion: 96 Resp: 12171
Ion Ratio Lower Upper
96 100
61 158.4 141.7 212.5
98 59.9 51.6 77.4





#13

Acrolein

Concen: 14.88 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

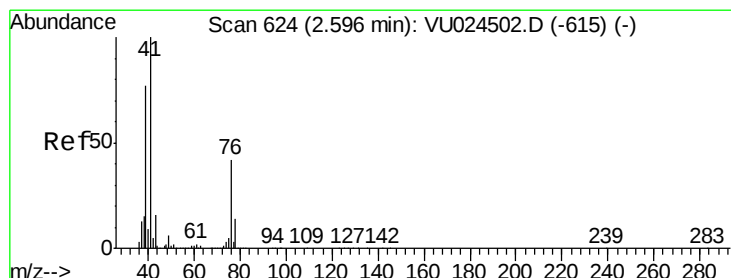
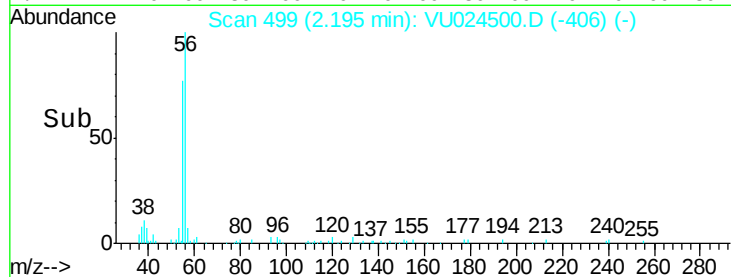
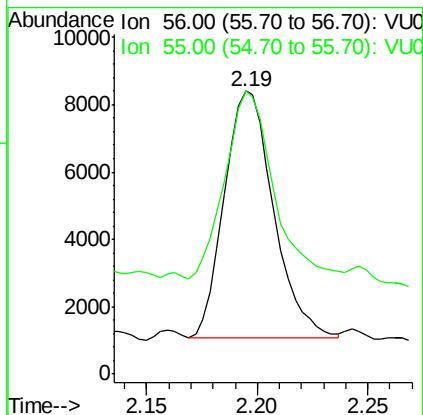
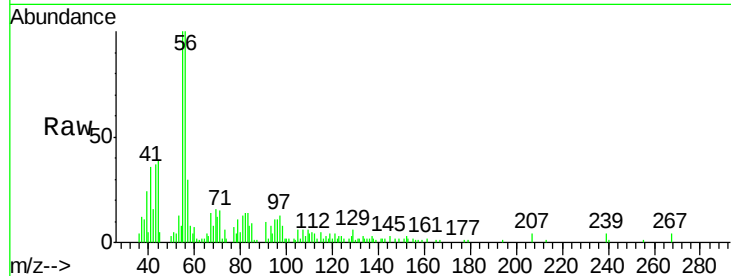
VSTDIC005

Tgt Ion: 56 Resp: 11383

Ion Ratio Lower Upper

56 100

55 74.7 58.4 87.6



#14

Allyl chloride

Concen: 4.77 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

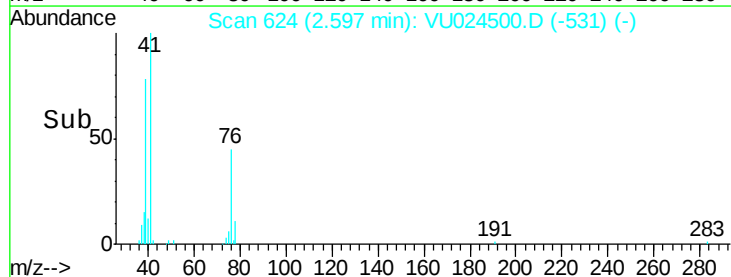
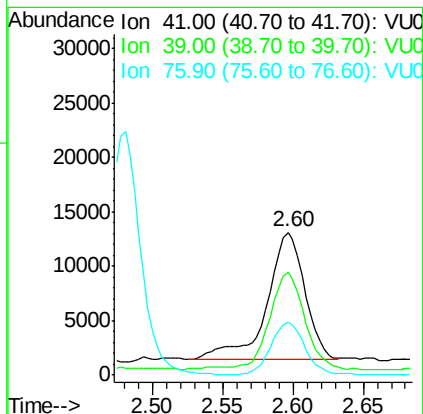
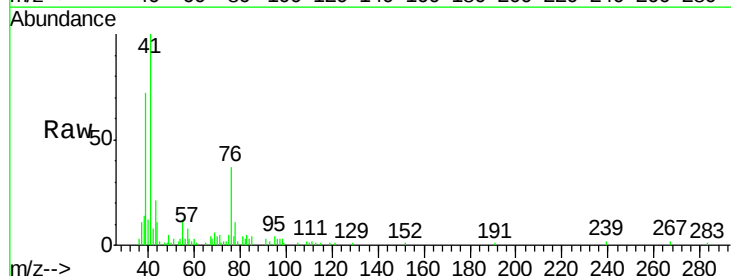
Tgt Ion: 41 Resp: 22032

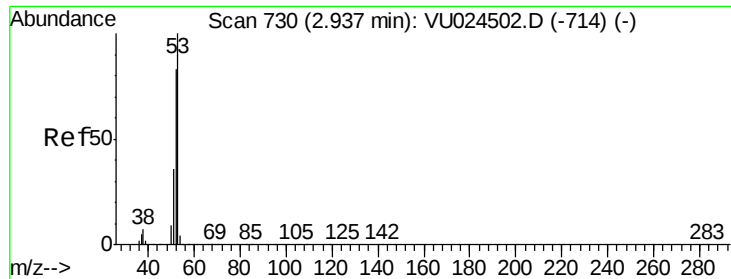
Ion Ratio Lower Upper

41 100

39 68.7 61.6 92.4

76 37.3 29.7 44.5





#15

Acrylonitrile

Concen: 19.40 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

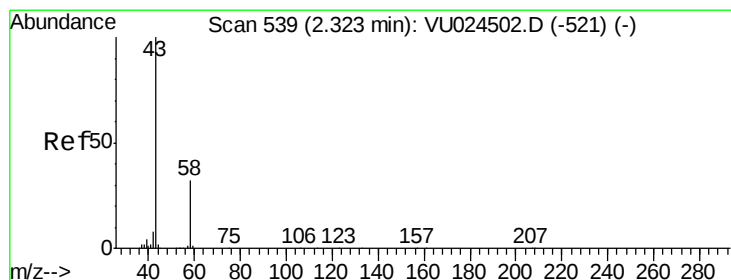
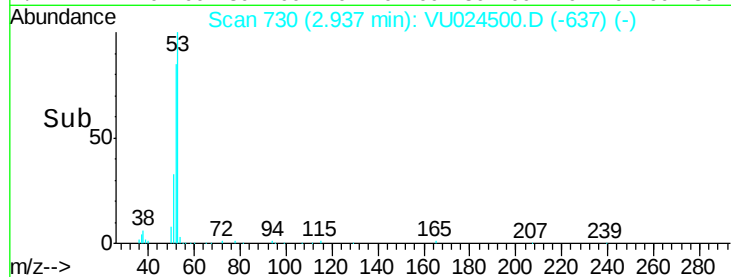
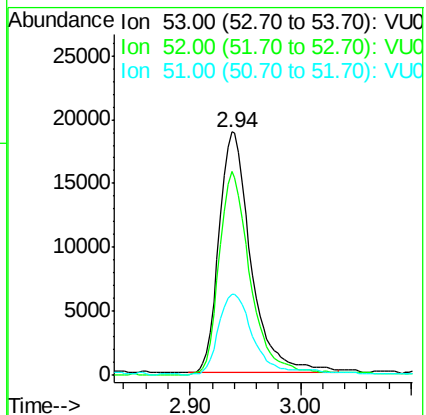
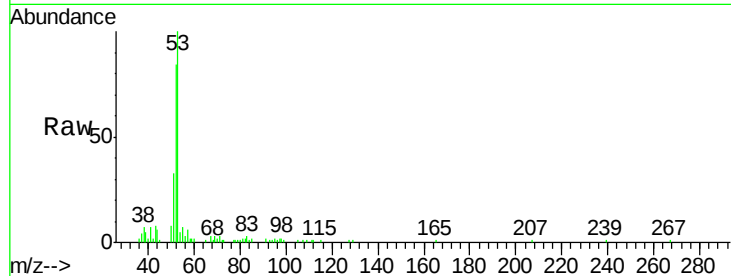
Tgt Ion: 53 Resp: 38071

Ion Ratio Lower Upper

53 100

52 83.3 67.1 100.7

51 36.7 28.4 42.6



#16

Acetone

Concen: 16.82 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024500.D

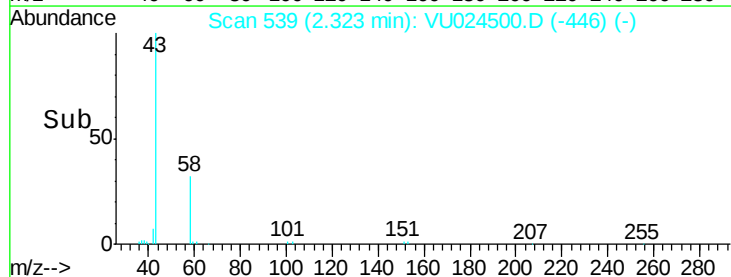
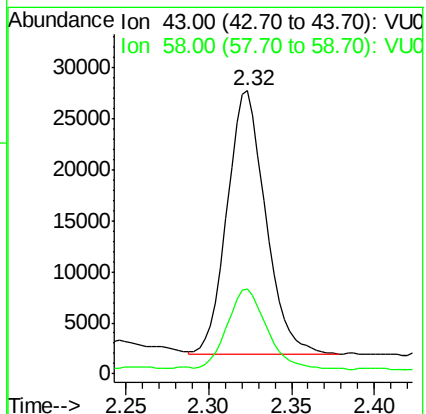
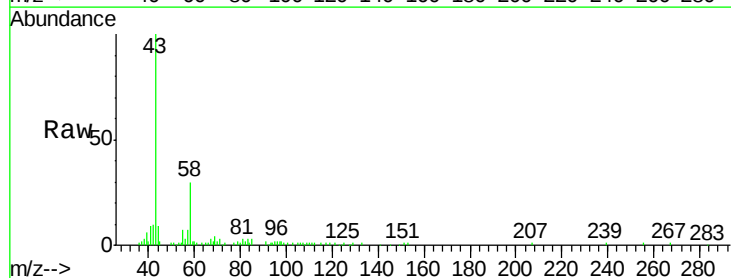
Acq: 13 Jun 2018 11:56

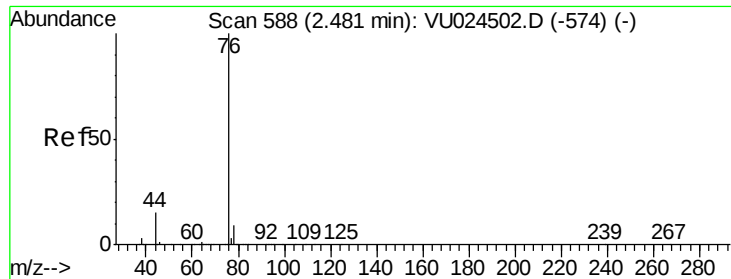
Tgt Ion: 43 Resp: 41539

Ion Ratio Lower Upper

43 100

58 30.1 24.4 36.6

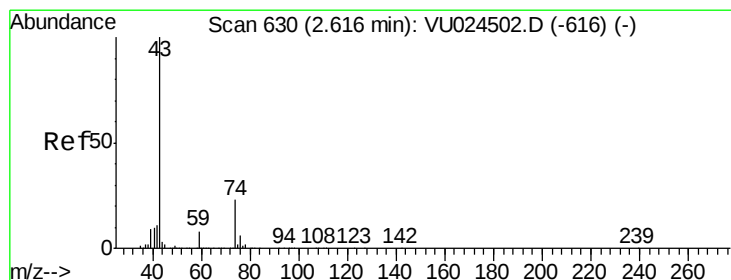
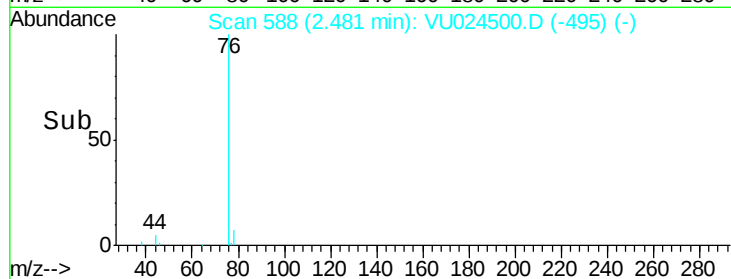
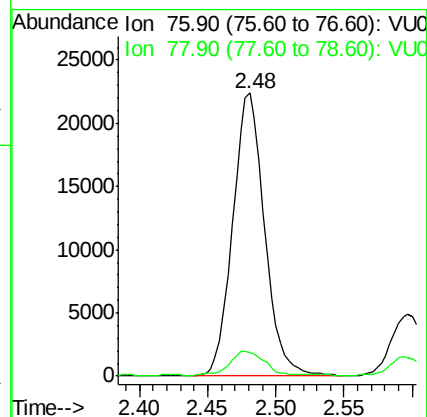
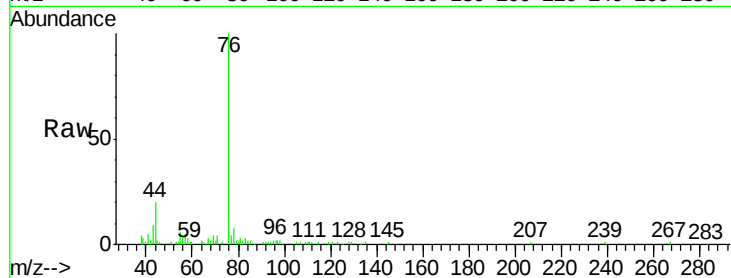




#17
Carbon Disulfide
Concen: 4.34 ug/l
RT: 2.48 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

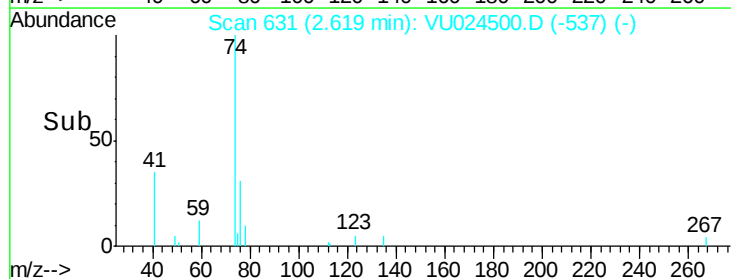
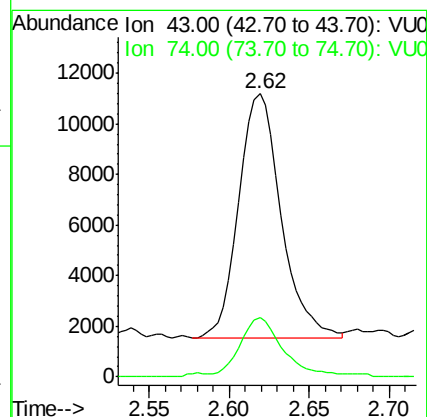
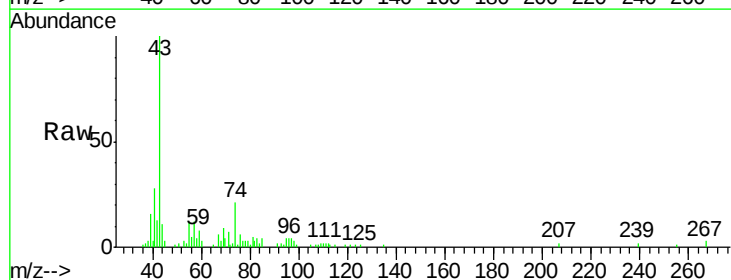
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

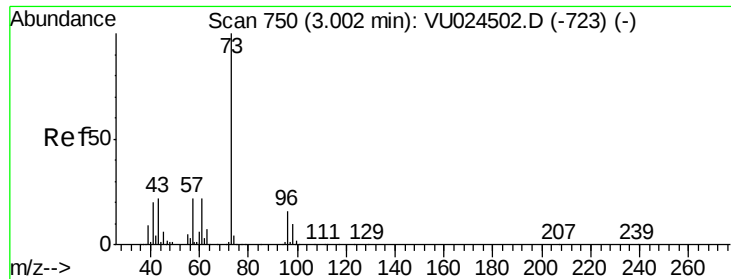
Tgt Ion: 76 Resp: 36329
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7



#18
Methyl Acetate
Concen: 3.56 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion: 43 Resp: 17485
Ion Ratio Lower Upper
43 100
74 22.8 18.0 27.0

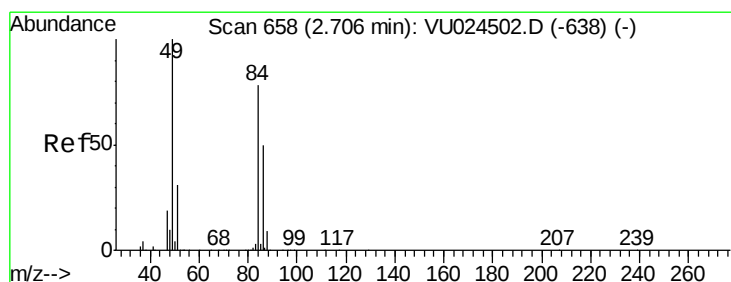
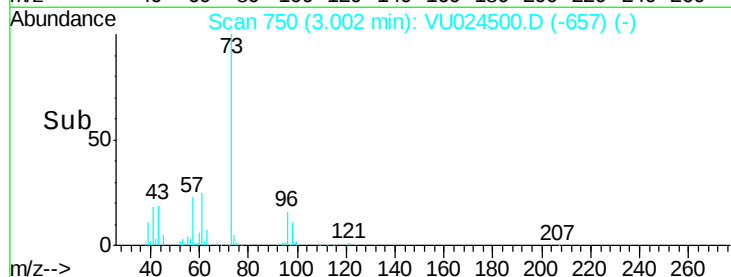
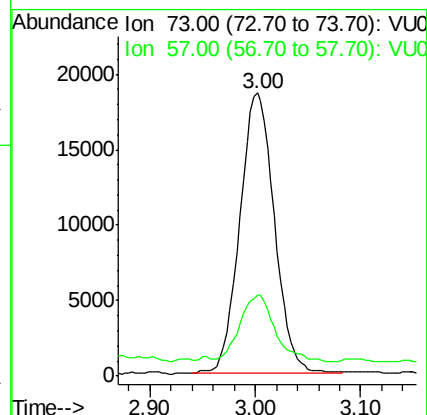
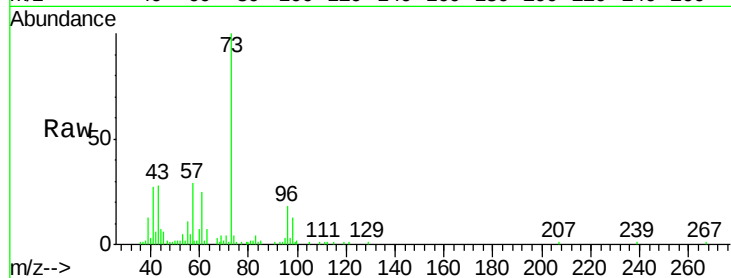




#19
Methyl tert-butyl Ether
Concen: 4.93 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

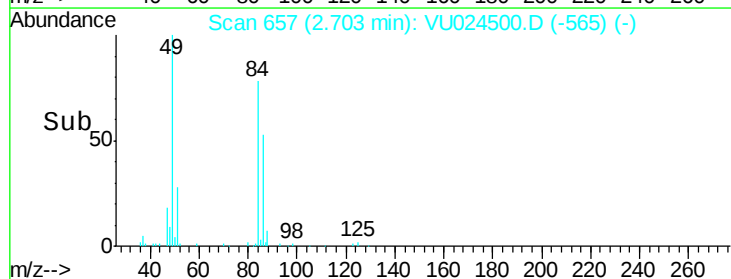
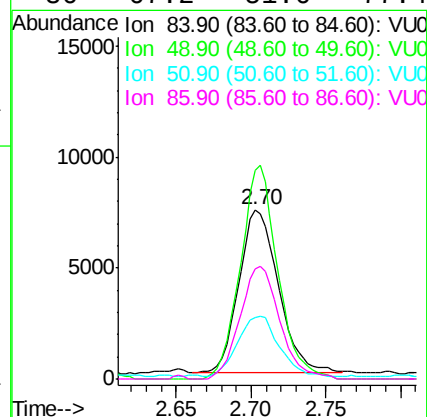
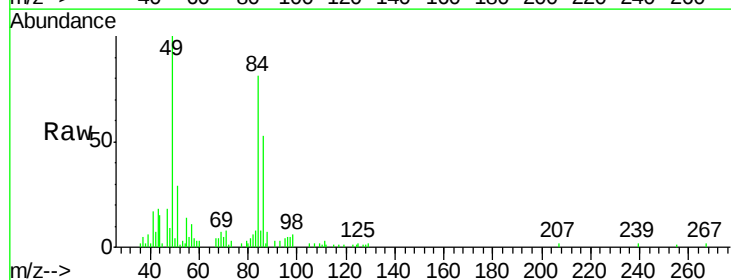
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

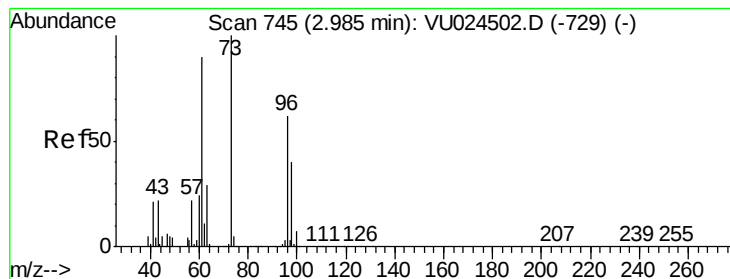
Tgt Ion: 73 Resp: 42125
Ion Ratio Lower Upper
73 100
57 23.5 18.8 28.2



#20
Methylene Chloride
Concen: 3.99 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion: 84 Resp: 13524
Ion Ratio Lower Upper
84 100
49 127.9 103.8 155.8
51 35.7 32.0 48.0
86 67.2 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 4.17 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

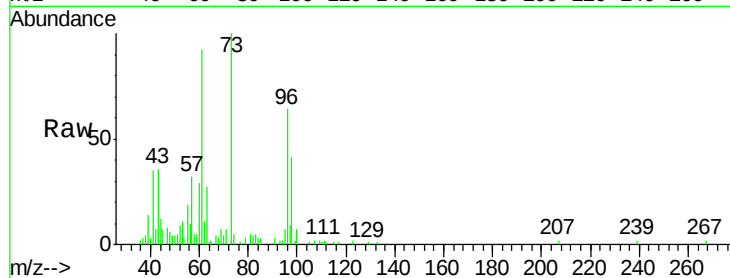
Tgt Ion: 96 Resp: 12171

Ion Ratio Lower Upper

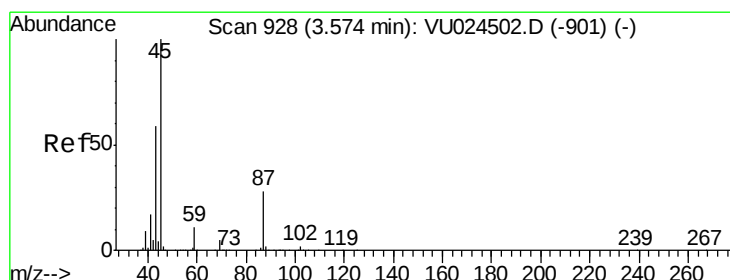
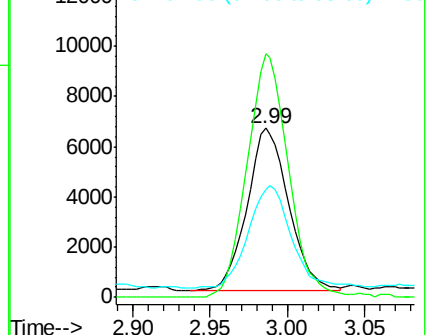
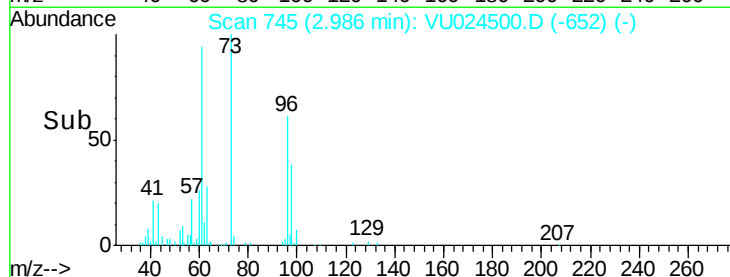
96 100

61 150.0 119.4 179.0

98 60.8 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU024500.D (-652) (-)



#22

Diisopropyl ether

Concen: 4.53 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Tgt Ion: 45 Resp: 42115

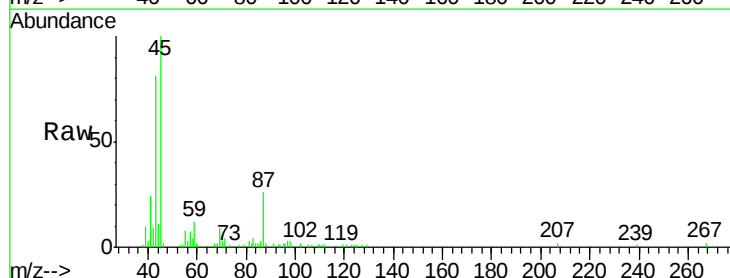
Ion Ratio Lower Upper

45 100

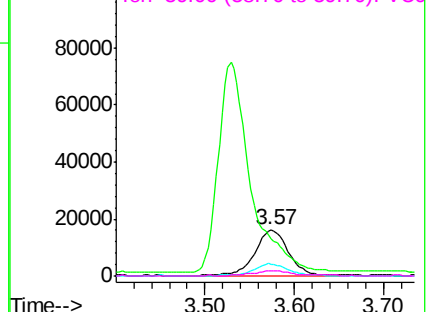
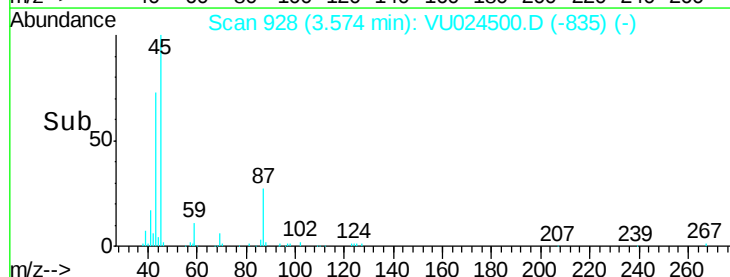
43 73.9 45.8 68.6#

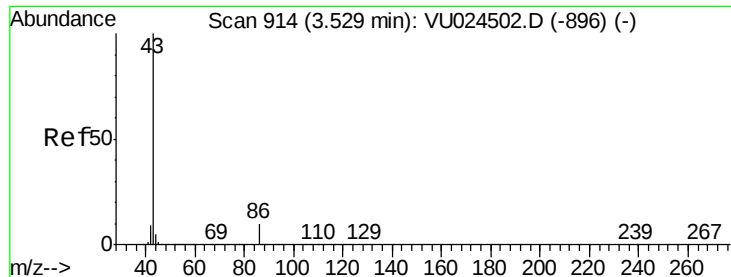
87 26.7 20.6 31.0

59 11.0 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VU024500.D (-835) (-)





#23

Vinyl Acetate

Concen: 27.07 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

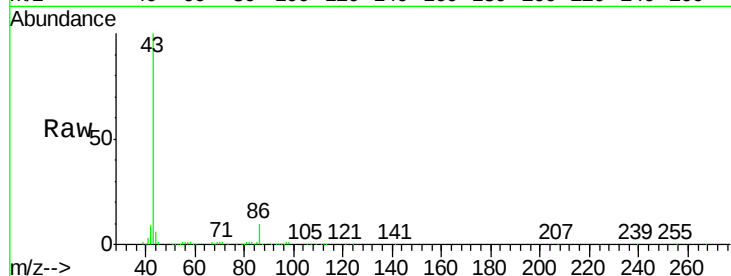
VSTDIC005

Tgt Ion: 43 Resp: 185010

Ion Ratio Lower Upper

43 100

86 10.3 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU024500.D (-821) (-)

Ion 86.00 (85.70 to 86.70): VU024500.D (-821) (-)

3.53

80000

60000

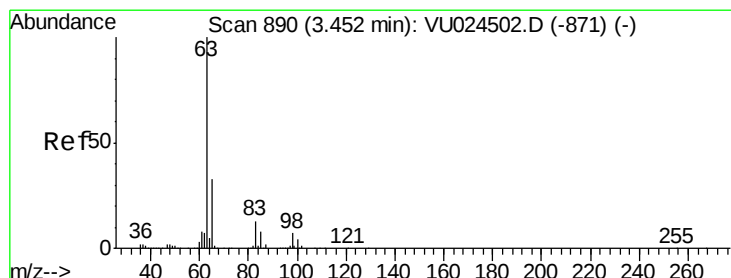
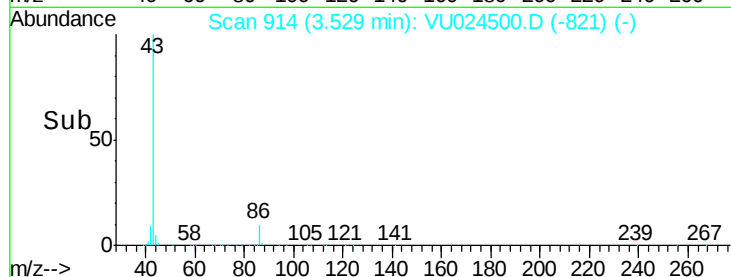
40000

20000

0

3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 4.05 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

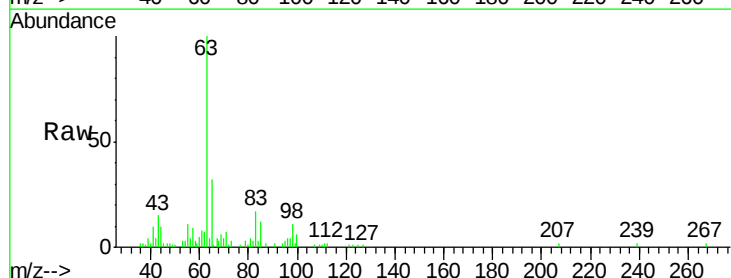
Tgt Ion: 63 Resp: 23602

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

100 5.5 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU024500.D (-797) (-)

Ion 97.90 (97.60 to 98.60): VU024500.D (-797) (-)

Ion 99.90 (99.60 to 100.60): VU024500.D (-797) (-)

15000

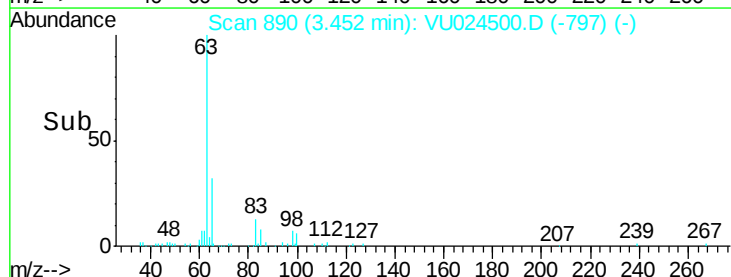
10000

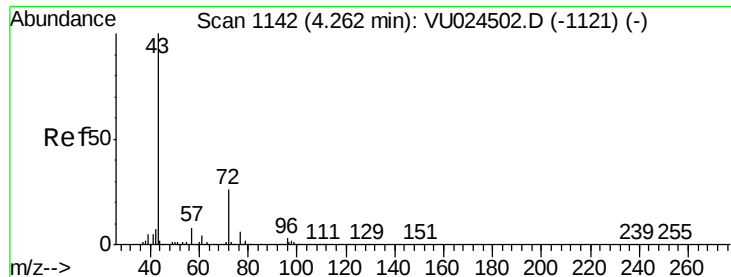
5000

0

3.35 3.40 3.45 3.50 3.55

Time-->

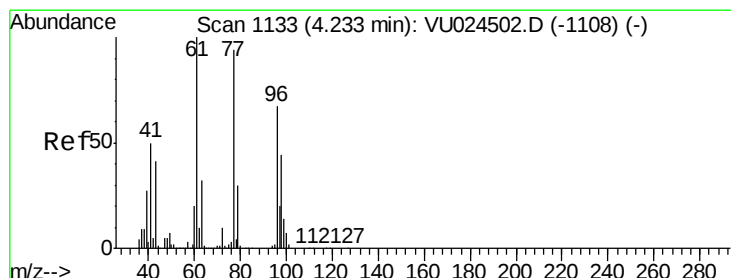
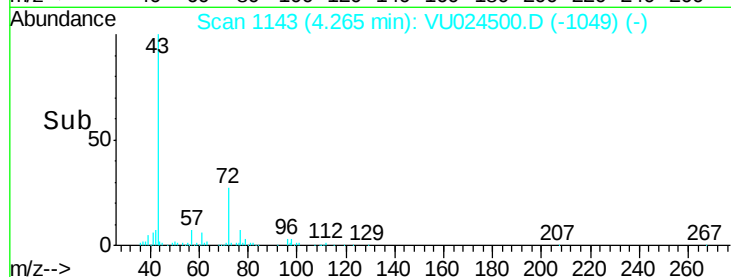
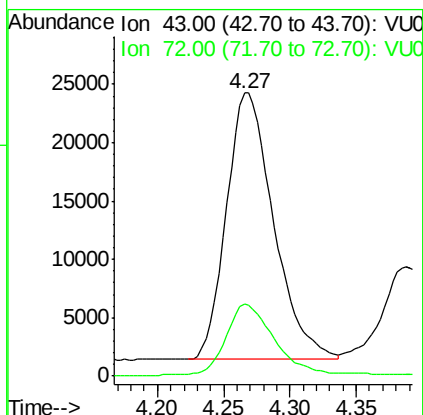
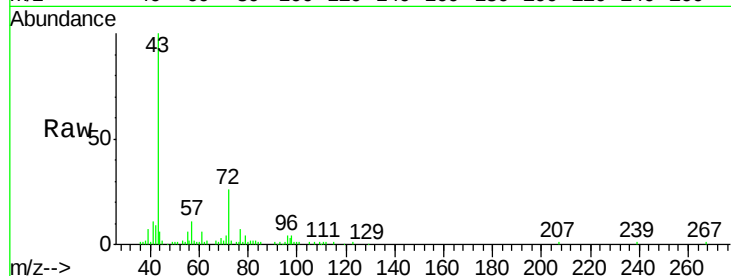




#25
2-Butanone
Concen: 19.05 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

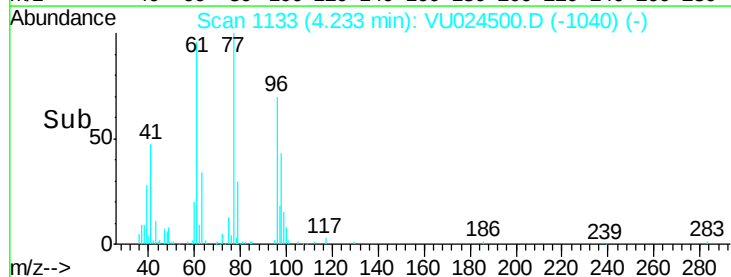
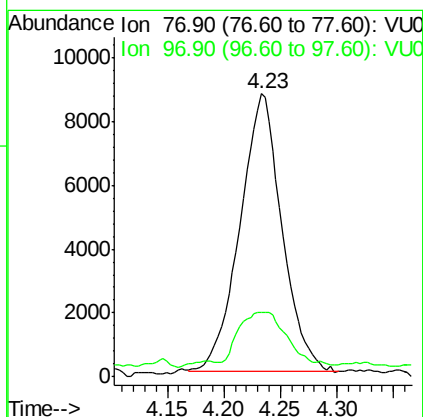
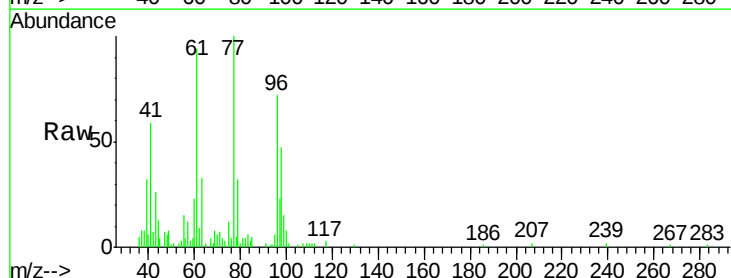
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

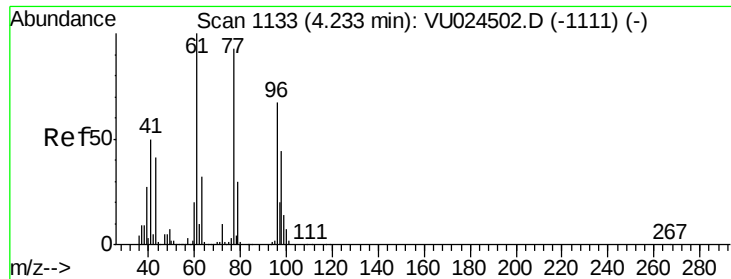
Tgt Ion: 43 Resp: 56253
Ion Ratio Lower Upper
43 100
72 26.5 19.6 29.4



#26
2,2-Dichloropropane
Concen: 5.05 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion: 77 Resp: 22412
Ion Ratio Lower Upper
77 100
97 22.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 4.59 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

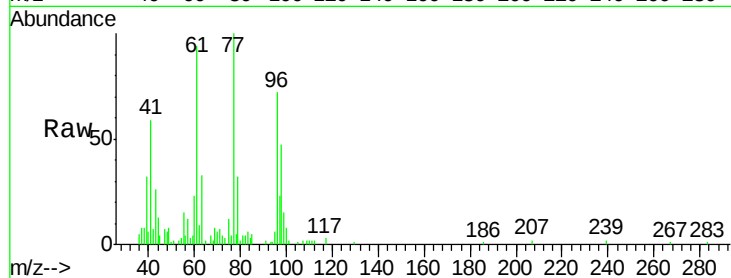
Tgt Ion: 96 Resp: 14571

Ion Ratio Lower Upper

96 100

61 153.1 0.0 306.6

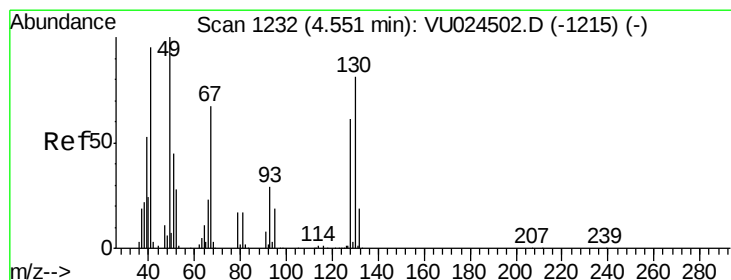
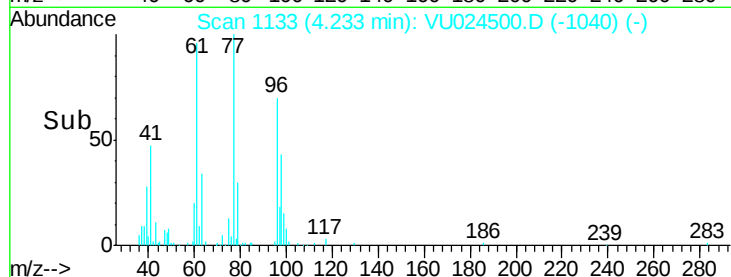
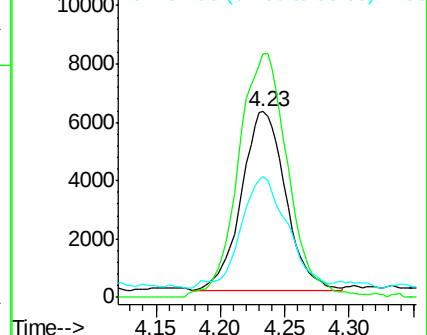
98 64.1 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 5.06 ug/l

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

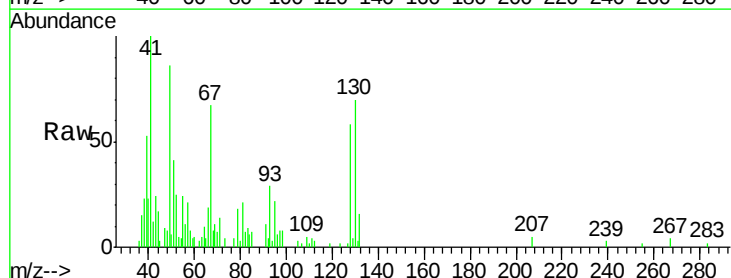
Tgt Ion: 49 Resp: 10792

Ion Ratio Lower Upper

49 100

129 3.1 0.0 3.8

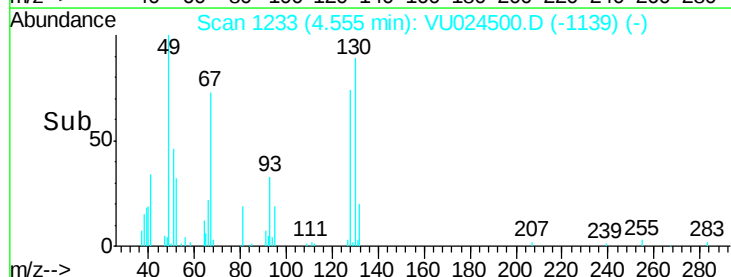
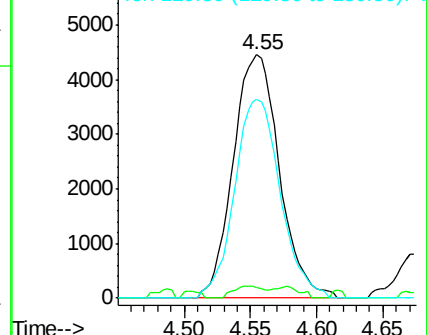
130 81.0 57.8 86.6

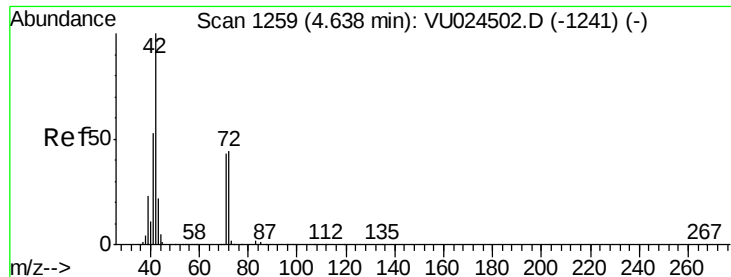


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 21.09 ug/l

RT: 4.64 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

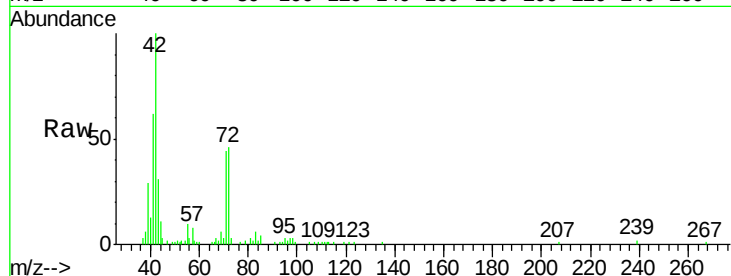
Tgt Ion: 42 Resp: 35533

Ion Ratio Lower Upper

42 100

72 46.9 34.5 51.7

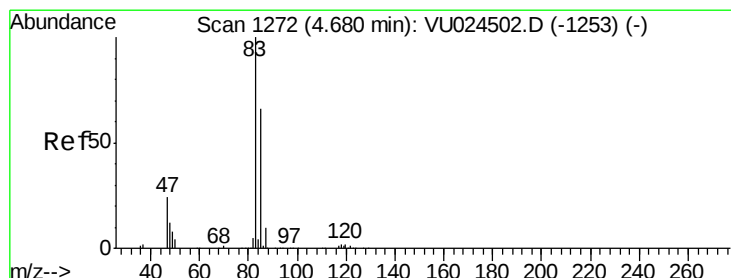
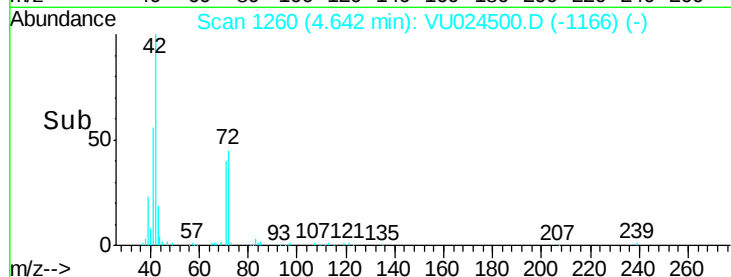
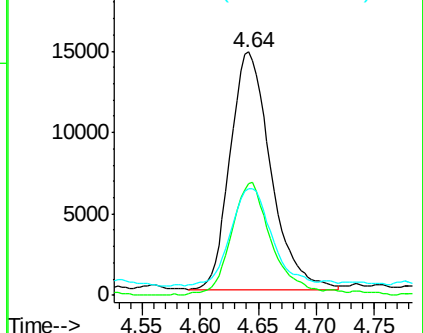
71 41.3 32.2 48.4



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 4.07 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU024500.D

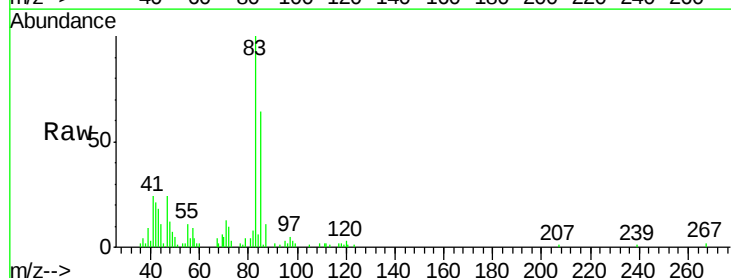
Acq: 13 Jun 2018 11:56

Tgt Ion: 83 Resp: 24034

Ion Ratio Lower Upper

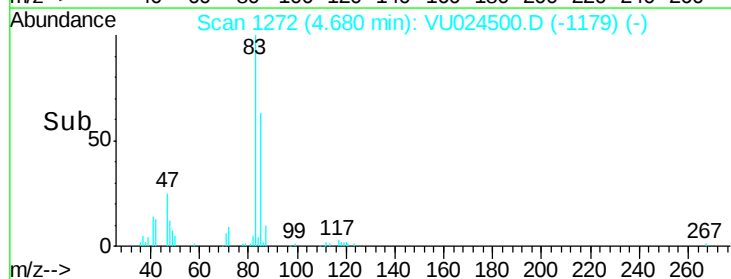
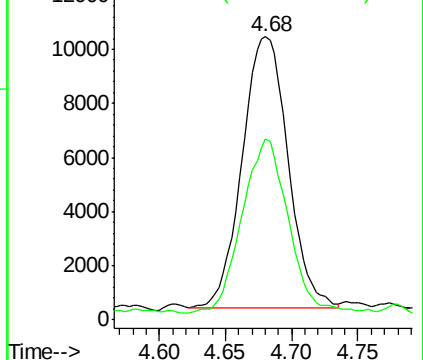
83 100

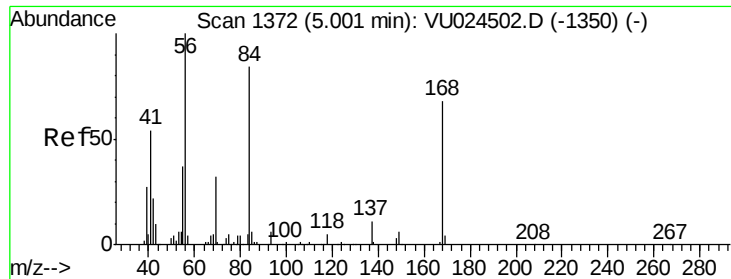
85 64.4 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

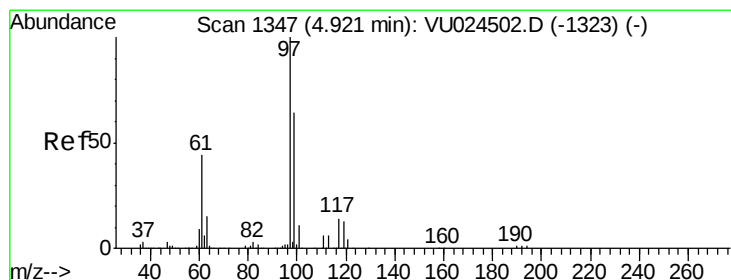
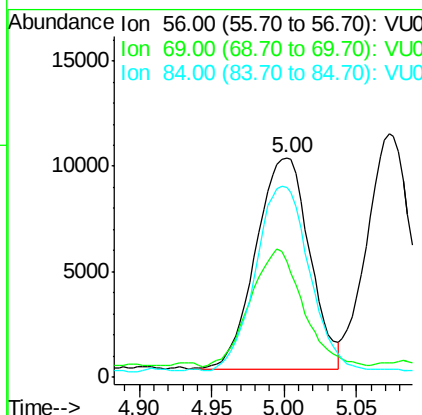
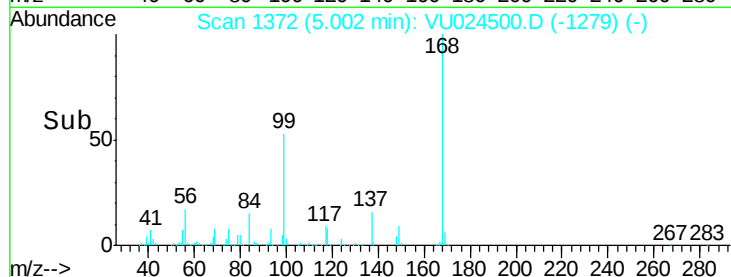
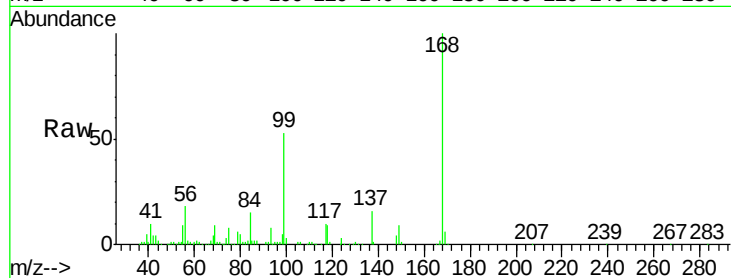




#31
Cyclohexane
Concen: 4.46 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

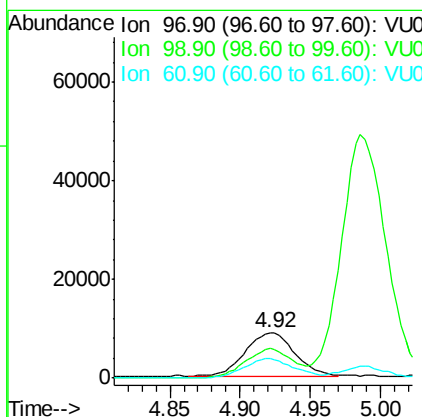
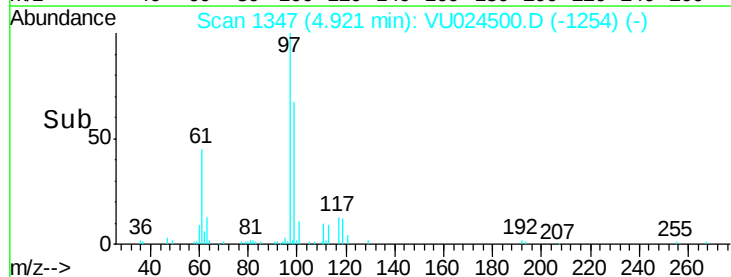
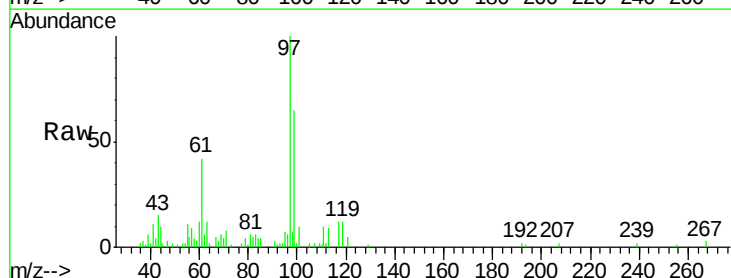
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

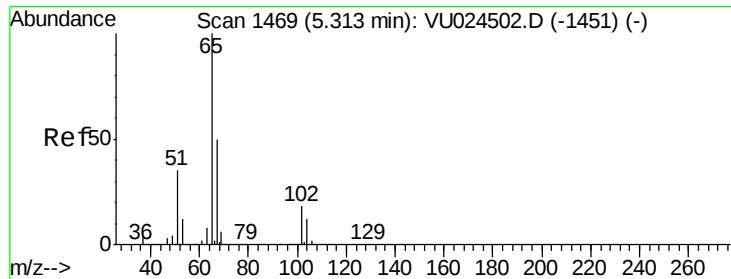
Tgt Ion: 56 Resp: 25753
Ion Ratio Lower Upper
56 100
69 47.7 24.8 37.2#
84 86.1 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 4.59 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion: 97 Resp: 21786
Ion Ratio Lower Upper
97 100
99 64.6 51.0 76.6
61 44.8 39.4 59.0

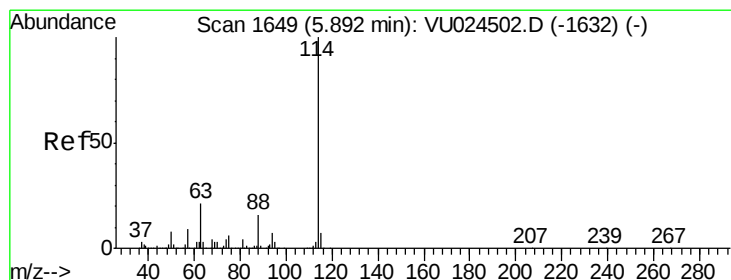
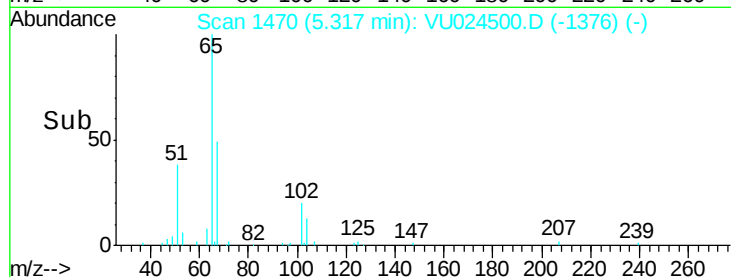
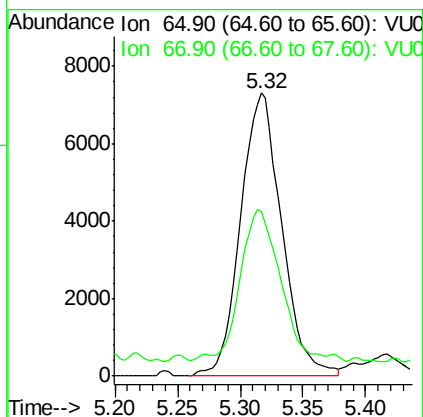
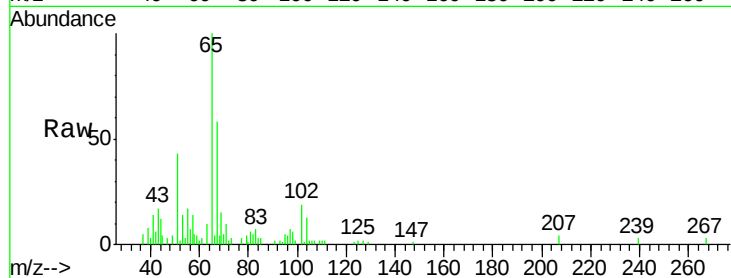




#33
 1,2-Dichloroethane-d4
 Concen: 4.32 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

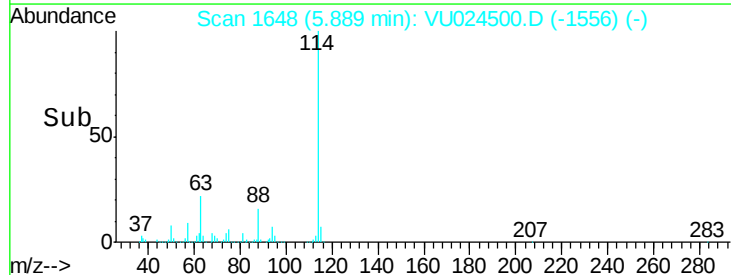
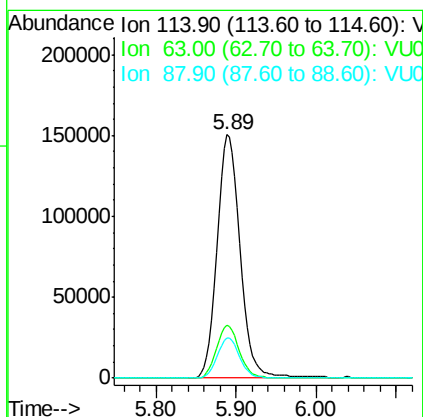
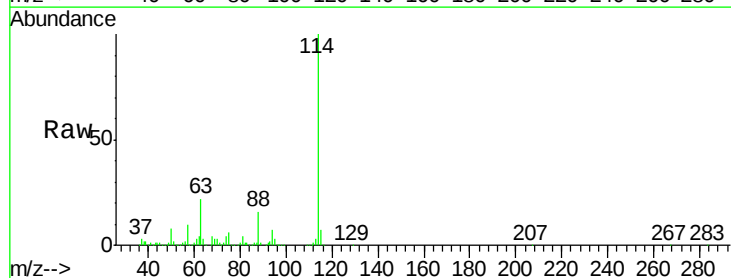
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

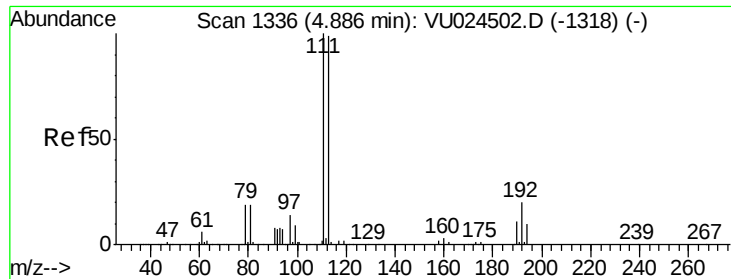
Tgt Ion: 65 Resp: 16702
 Ion Ratio Lower Upper
 65 100
 67 48.0 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion: 114 Resp: 303052
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 45.4
 88 16.4 0.0 31.0

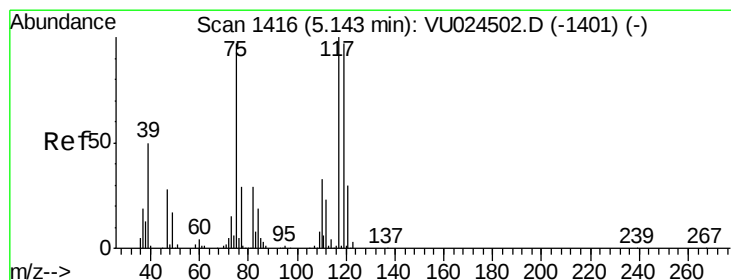
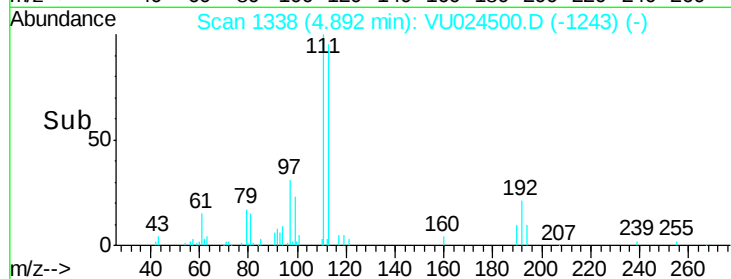
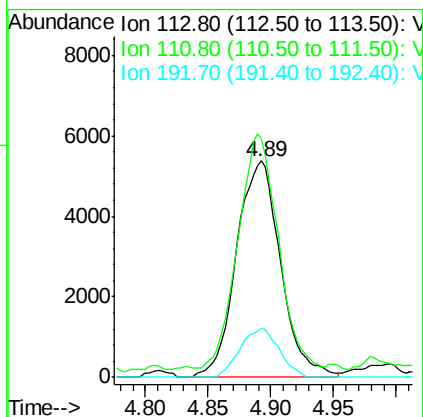
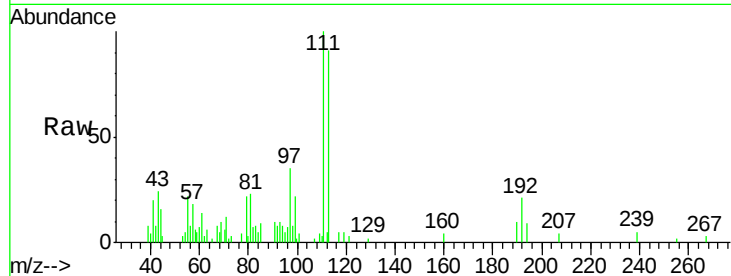




#35
Dibromofluoromethane
Concen: 4.23 ug/l
RT: 4.89 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

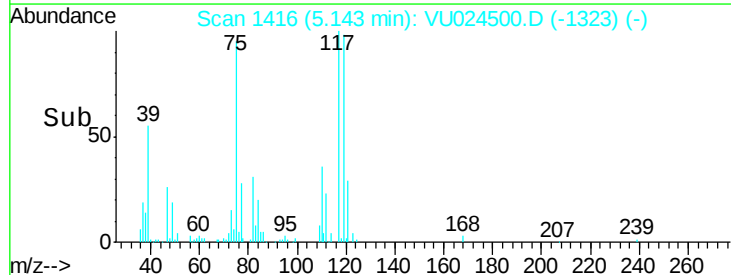
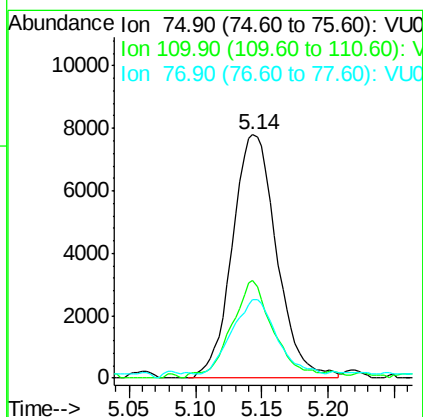
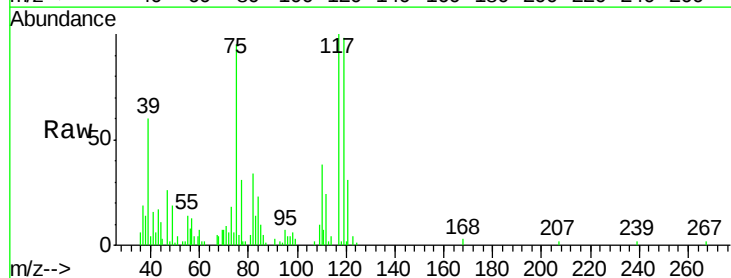
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

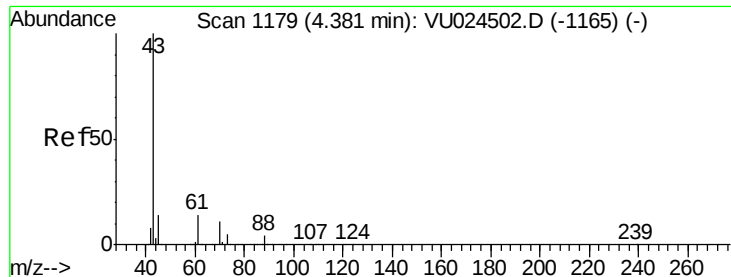
Tgt Ion: 113 Resp: 13172
Ion Ratio Lower Upper
113 100
111 98.0 82.2 123.4
192 19.9 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.20 ug/l
RT: 5.14 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion: 75 Resp: 18143
Ion Ratio Lower Upper
75 100
110 38.0 17.0 50.9
77 31.8 24.2 36.4

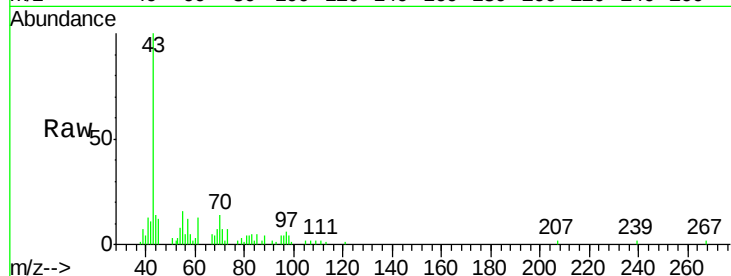




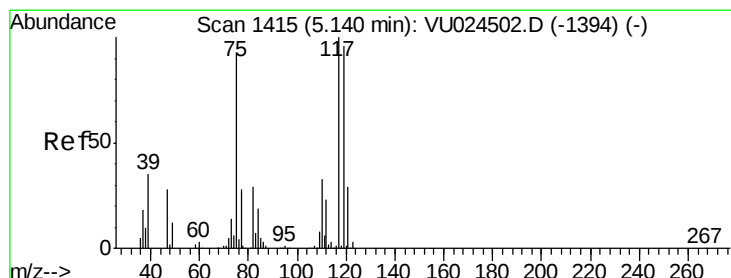
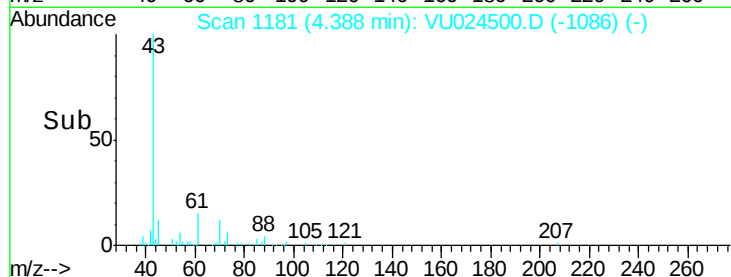
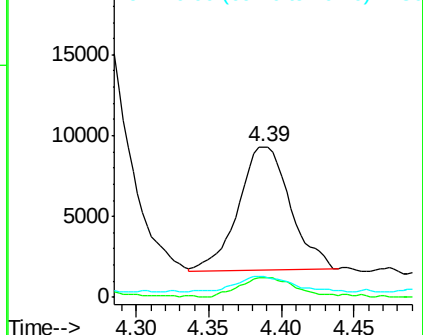
#37
Ethyl Acetate
Concen: 3.93 ug/l
RT: 4.39 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 19044
Ion Ratio Lower Upper
43 100
61 17.8 10.5 15.7#
70 13.3 7.4 11.2#

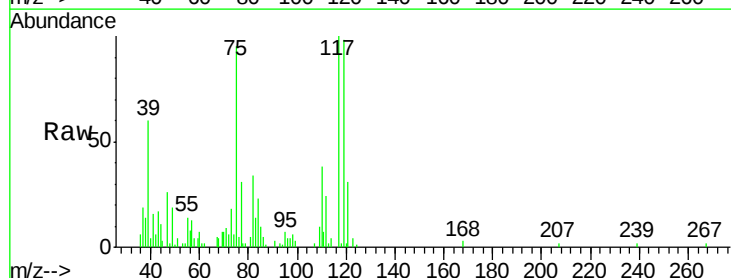


Abundance Ion 43.00 (42.70 to 43.70): VU024500.D (-1165) (-)
Ion 60.90 (60.60 to 61.60): VU024500.D (-1165) (-)
Ion 70.00 (69.70 to 70.70): VU024500.D (-1165) (-)

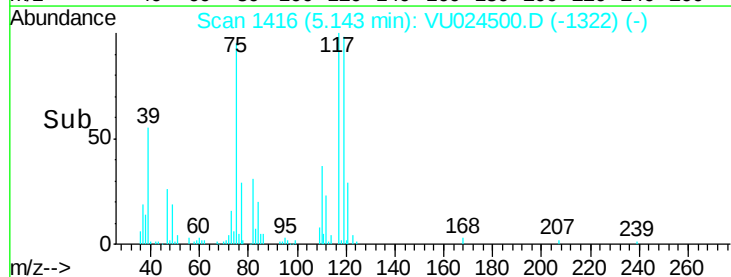
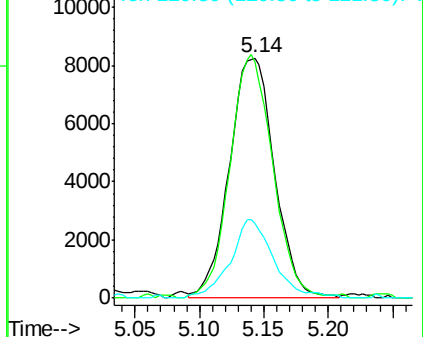


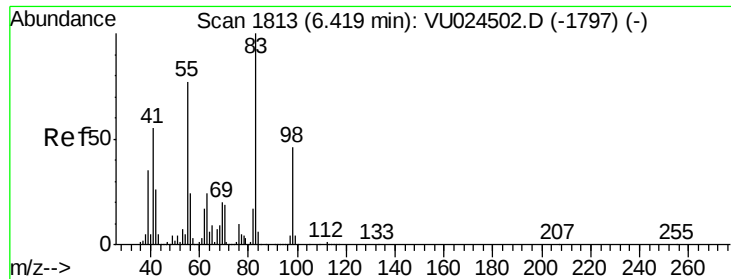
#38
Carbon Tetrachloride
Concen: 4.88 ug/l
RT: 5.14 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion: 117 Resp: 20081
Ion Ratio Lower Upper
117 100
119 96.8 76.1 114.1
121 30.0 23.7 35.5



Abundance Ion 116.80 (116.50 to 117.50): VU024500.D (-1394) (-)
Ion 118.80 (118.50 to 119.50): VU024500.D (-1394) (-)
Ion 120.80 (120.50 to 121.50): VU024500.D (-1394) (-)

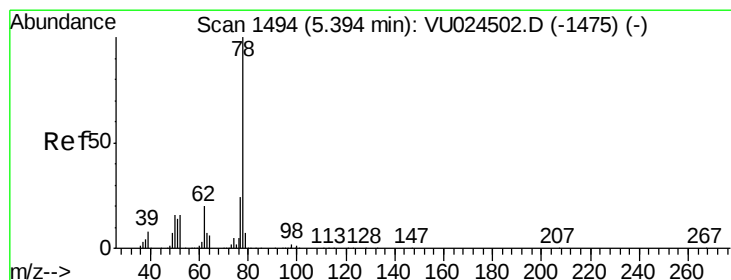
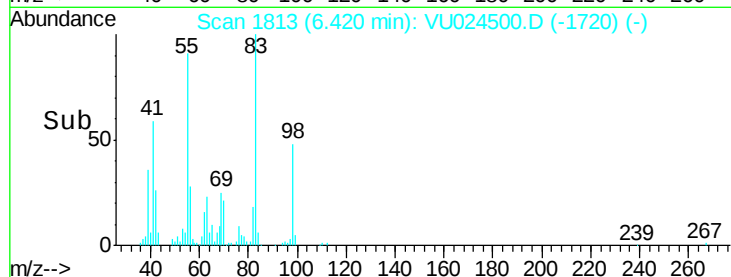
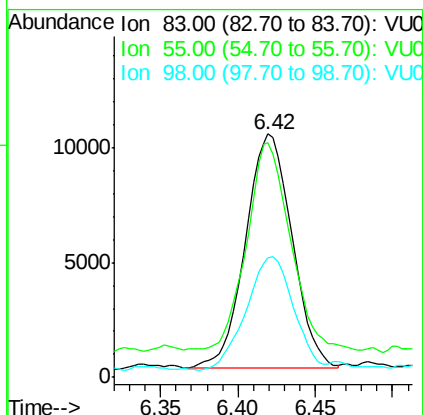
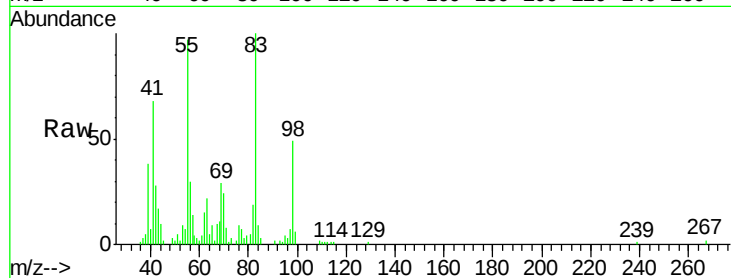




#39
Methylcyclohexane
Concen: 4.59 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

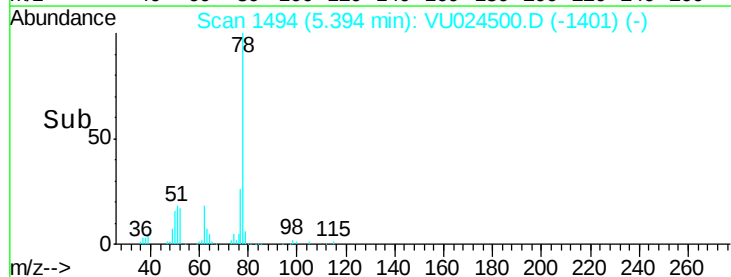
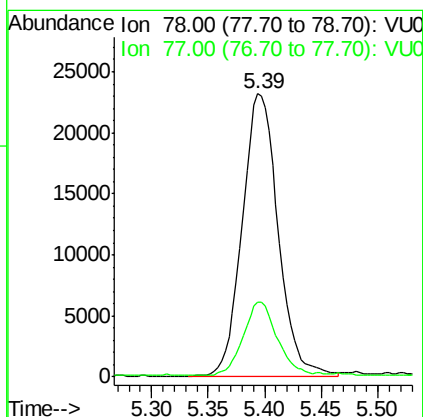
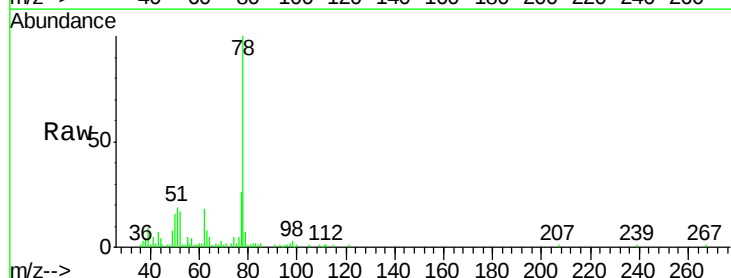
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

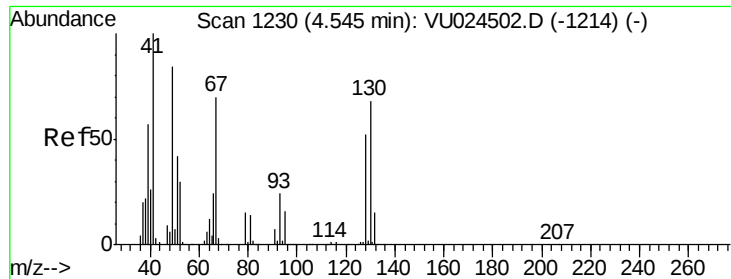
Tgt Ion: 83 Resp: 21450
Ion Ratio Lower Upper
83 100
55 88.2 65.8 98.6
98 47.0 36.7 55.1



#40
Benzene
Concen: 3.96 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion: 78 Resp: 51570
Ion Ratio Lower Upper
78 100
77 25.6 19.2 28.8

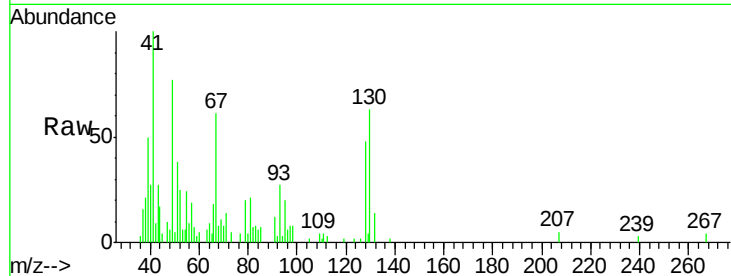




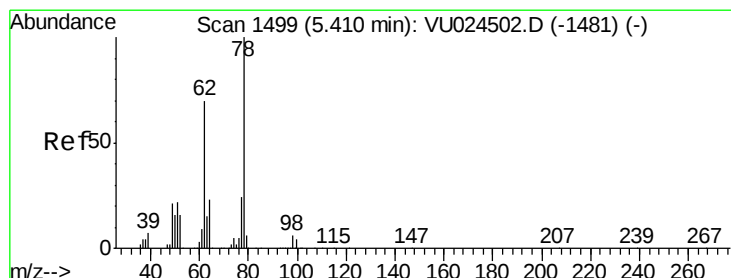
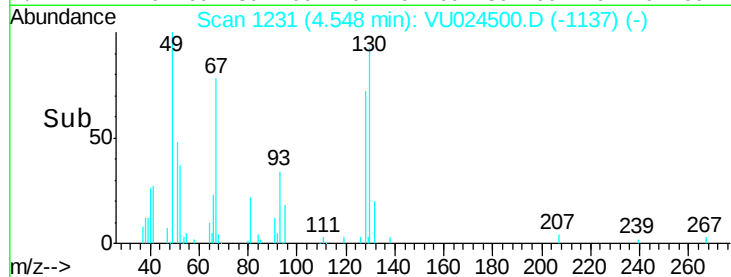
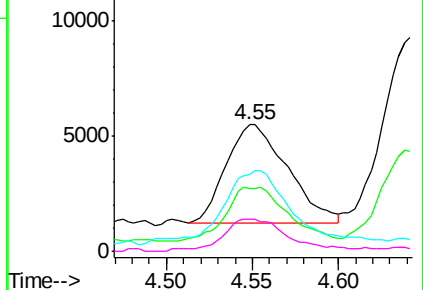
#41
Methacrylonitrile
Concen: 3.86 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:	41	Resp:	10502
Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.8	65.6
67	73.4	56.3	84.5
52	35.0	23.2	34.8#

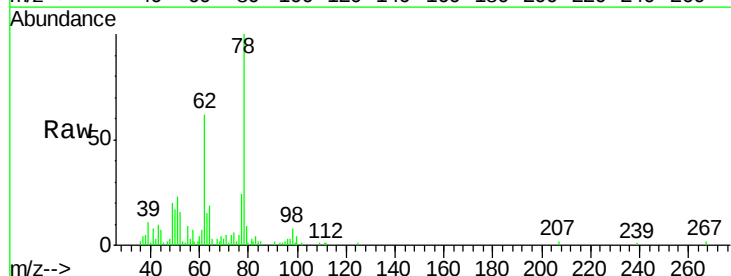


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

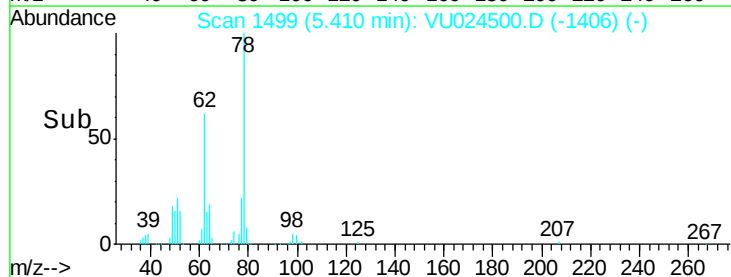
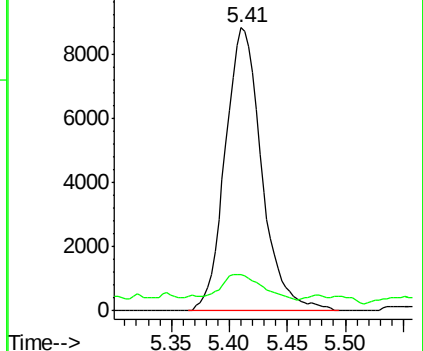


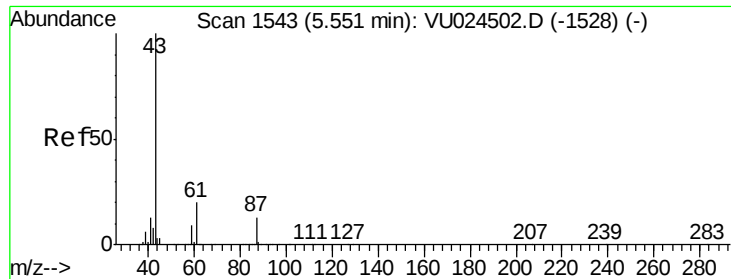
#42
1,2-Dichloroethane
Concen: 3.85 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion:	62	Resp:	19202
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 4.47 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

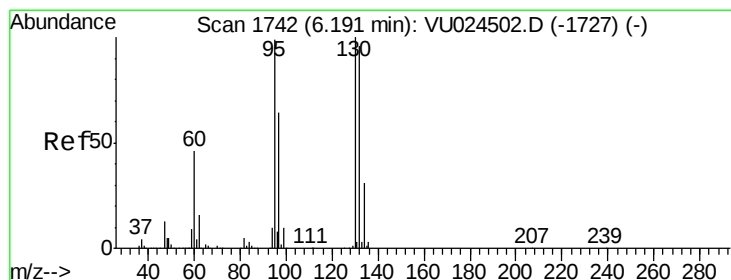
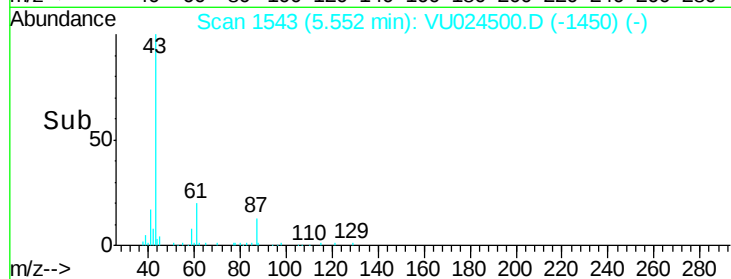
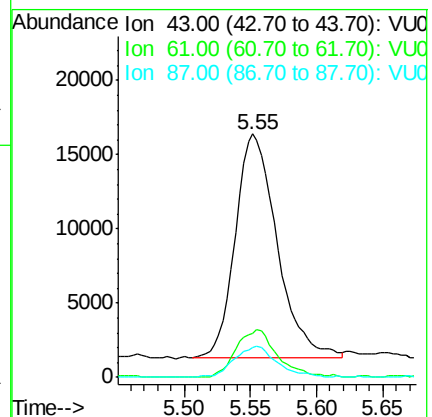
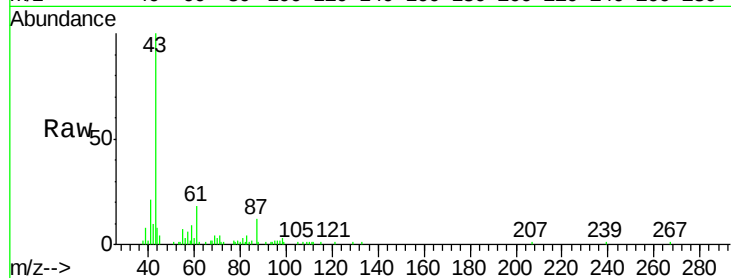
Tgt Ion: 43 Resp: 33034

Ion Ratio Lower Upper

43 100

61 21.2 15.4 23.0

87 14.3 10.0 15.0



#44

Trichloroethene

Concen: 4.16 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU024500.D

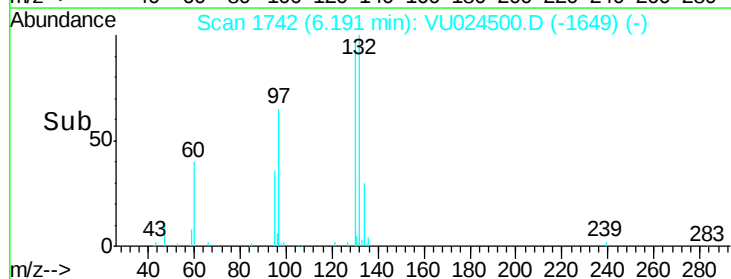
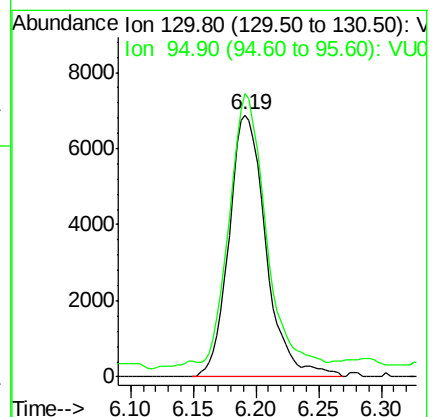
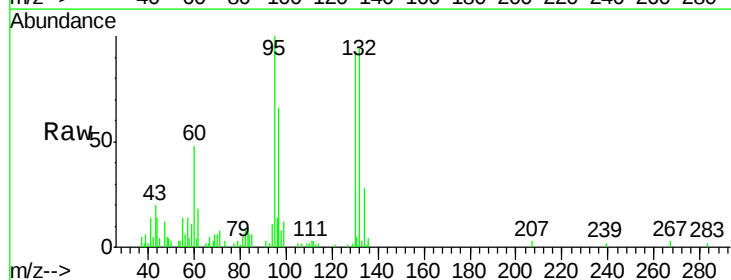
Acq: 13 Jun 2018 11:56

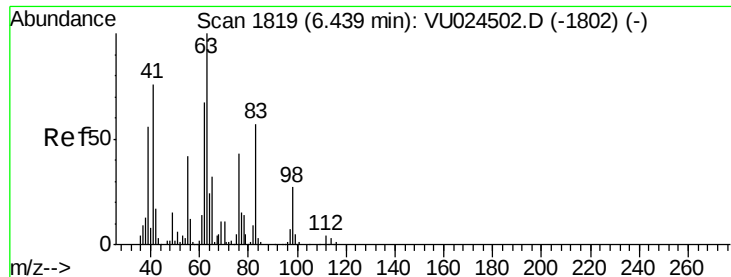
Tgt Ion: 130 Resp: 14144

Ion Ratio Lower Upper

130 100

95 102.3 0.0 202.4





#45

1,2-Dichloropropane

Concen: 3.90 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

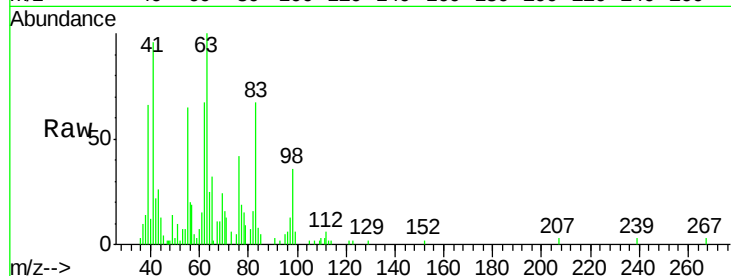
VSTDIC005

Tgt Ion: 63 Resp: 13658

Ion Ratio Lower Upper

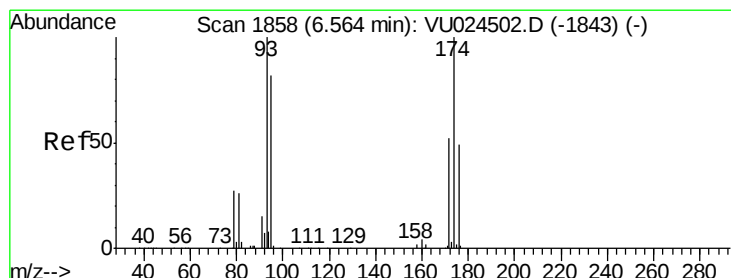
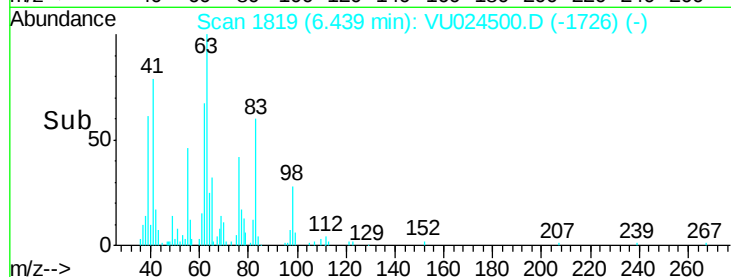
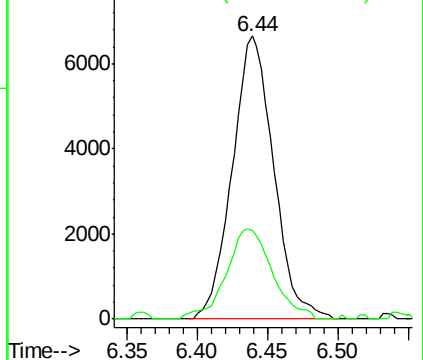
63 100

65 31.5 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 4.21 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

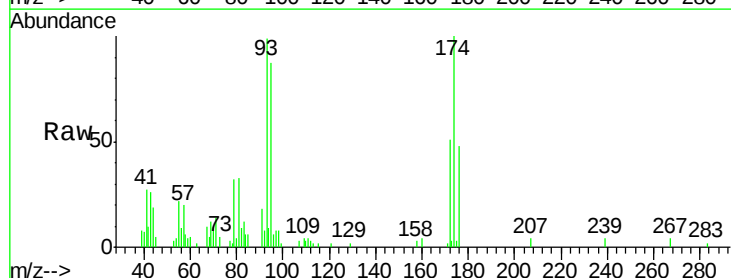
Tgt Ion: 93 Resp: 9774

Ion Ratio Lower Upper

93 100

95 86.2 65.5 98.3

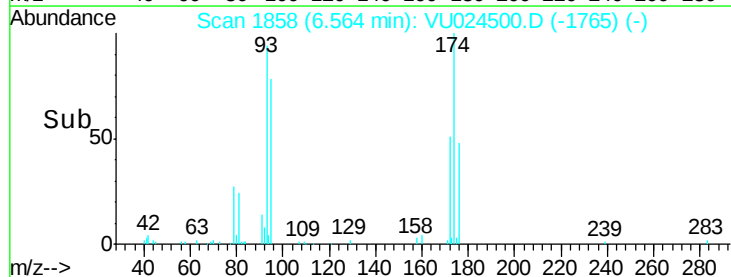
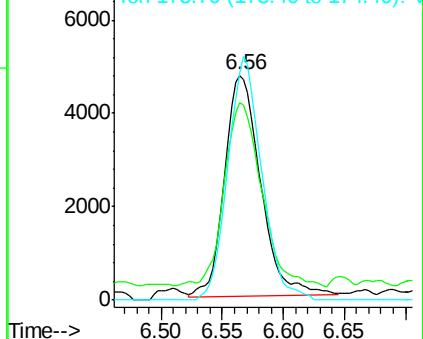
174 103.0 78.7 118.1

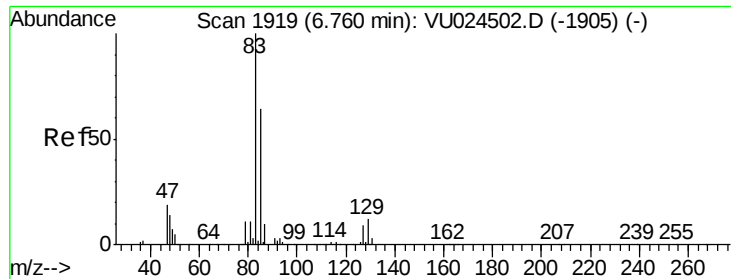


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.35 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

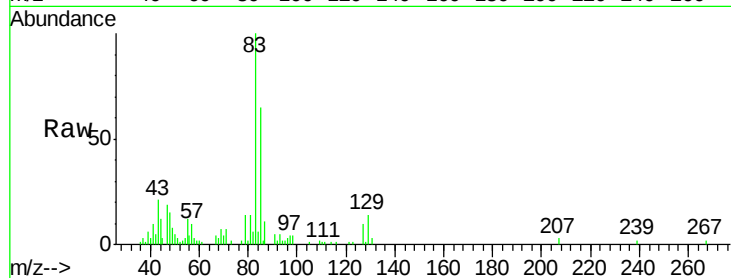
Tgt Ion: 83 Resp: 19522

Ion Ratio Lower Upper

83 100

85 64.3 51.9 77.9

127 10.8 6.6 9.8#

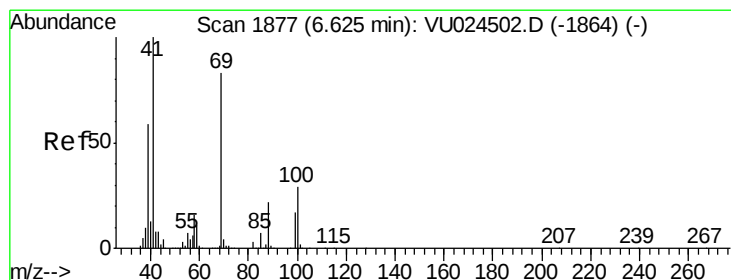
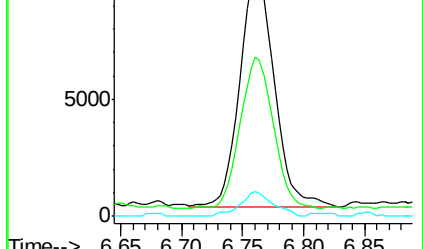
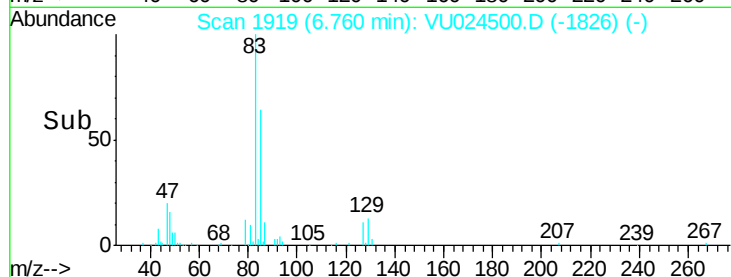


Abundance Ion 82.90 (82.60 to 83.60): VU024500.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU024500.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU024500.D (-1826) (-)

Time-->



#48

Methyl methacrylate

Concen: 4.50 ug/l

RT: 6.63 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

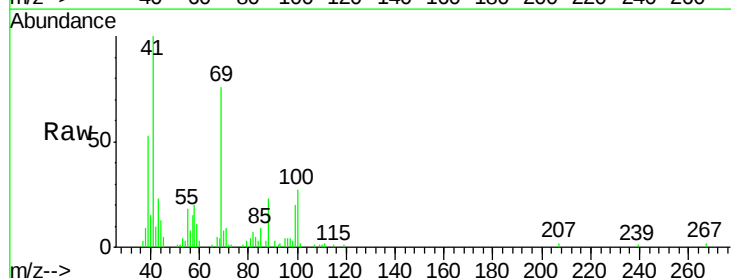
Tgt Ion: 41 Resp: 16278

Ion Ratio Lower Upper

41 100

69 86.5 67.3 100.9

39 61.8 46.5 69.7

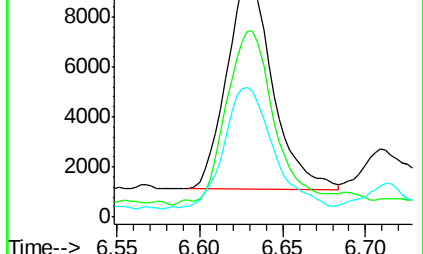
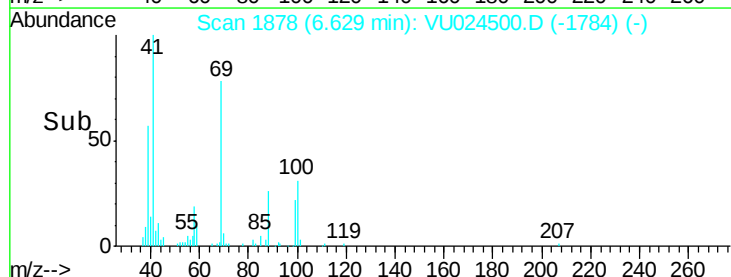


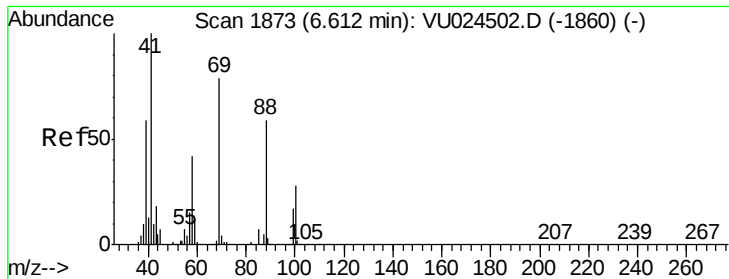
Abundance Ion 41.00 (40.70 to 41.70): VU024500.D (-1784) (-)

Ion 69.00 (68.70 to 69.70): VU024500.D (-1784) (-)

Ion 39.00 (38.70 to 39.70): VU024500.D (-1784) (-)

Time-->

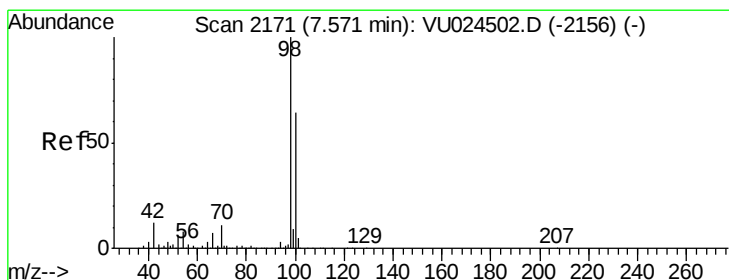
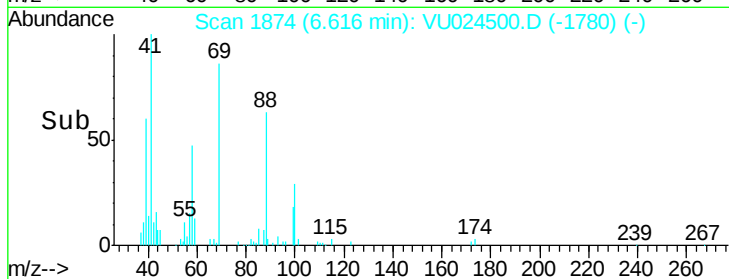
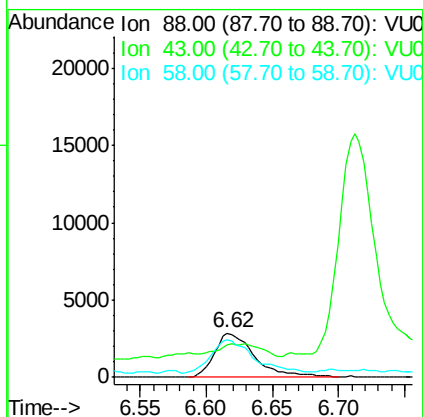
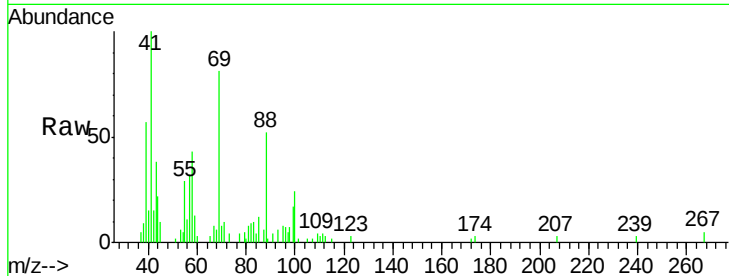




#49
 1,4-Dioxane
 Concen: 79.39 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

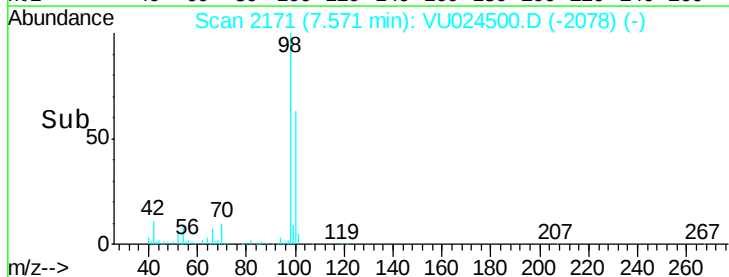
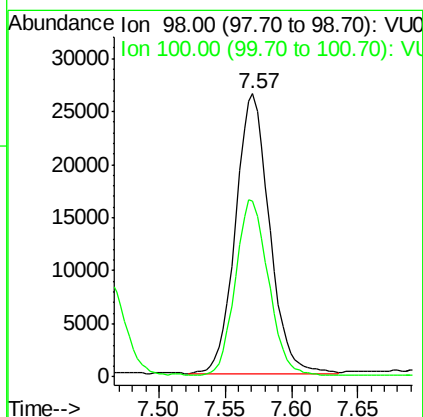
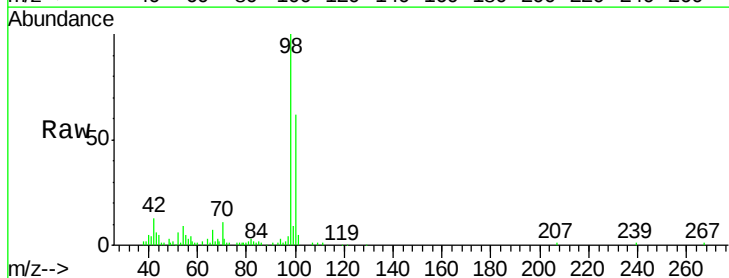
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

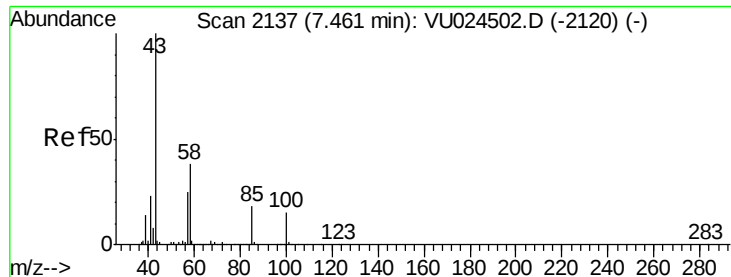
Tgt Ion: 88 Resp: 6064
 Ion Ratio Lower Upper
 88 100
 43 0.0 28.6 42.8#
 58 75.5 58.2 87.4



#50
 Toluene-d8
 Concen: 4.03 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion: 98 Resp: 46850
 Ion Ratio Lower Upper
 98 100
 100 61.3 51.1 76.7

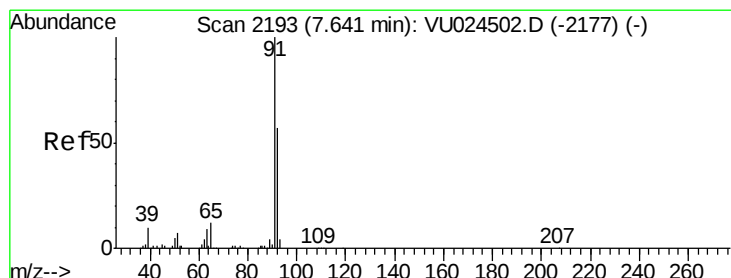
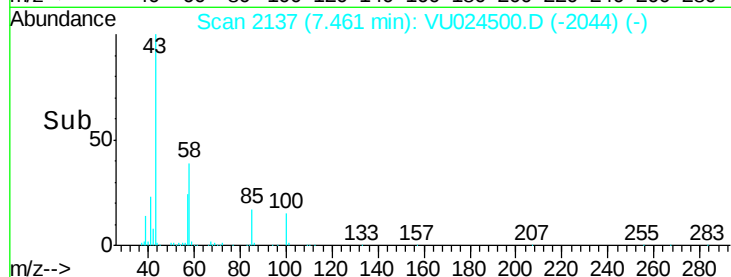
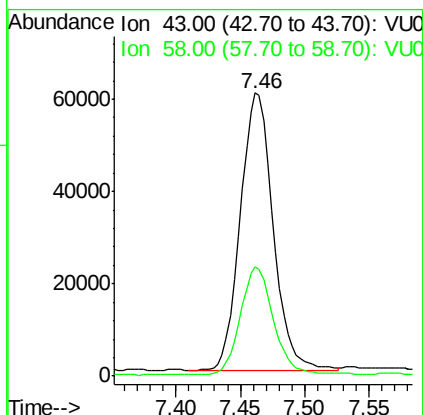
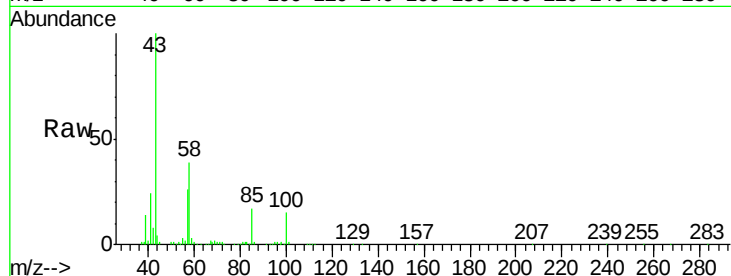




#51
 4-Methyl-2-Pentanone
 Concen: 19.93 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

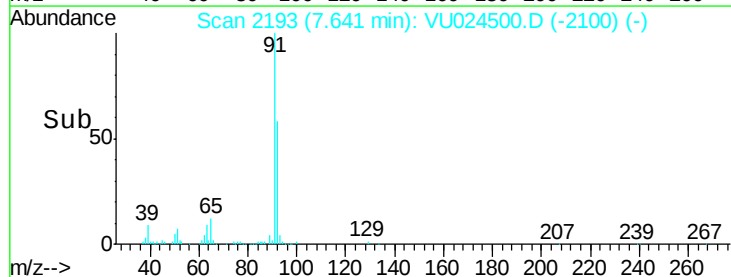
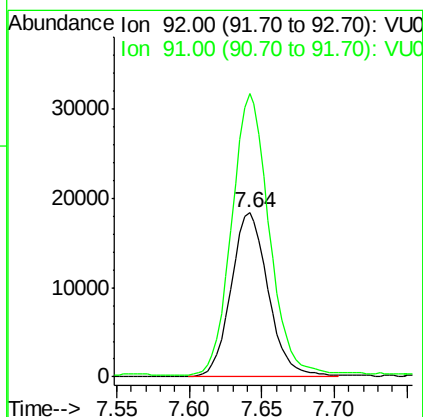
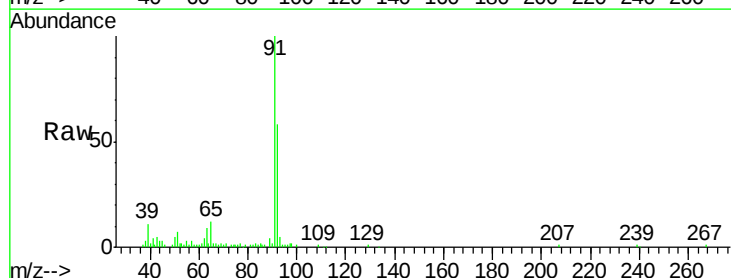
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

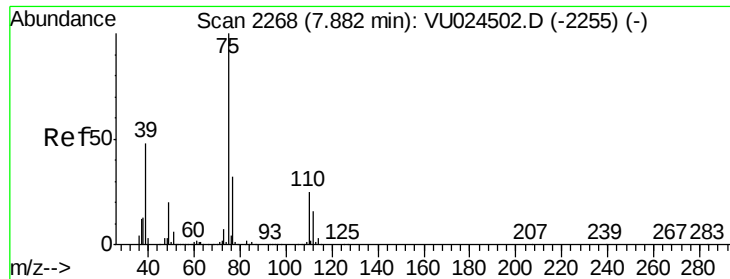
Tgt Ion: 43 Resp: 106169
 Ion Ratio Lower Upper
 43 100
 58 39.1 30.0 45.0



#52
 Toluene
 Concen: 4.24 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion: 92 Resp: 32799
 Ion Ratio Lower Upper
 92 100
 91 172.4 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 4.41 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

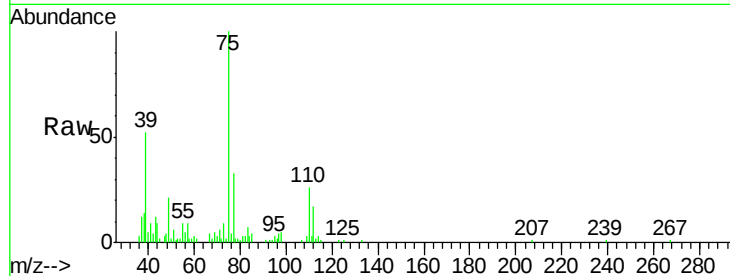
VSTDIC005

Tgt Ion: 75 Resp: 20597

Ion Ratio Lower Upper

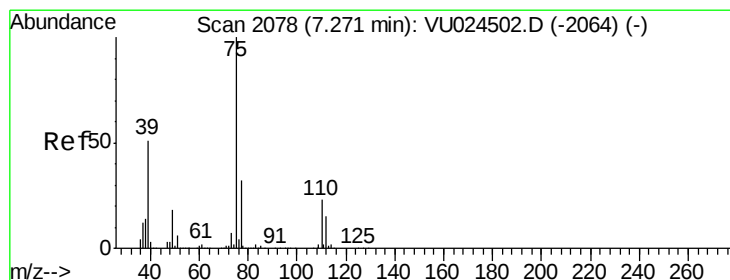
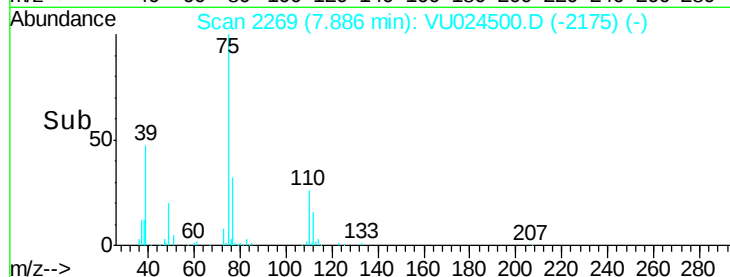
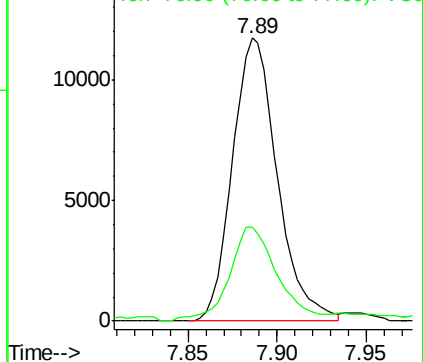
75 100

77 31.6 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 4.32 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

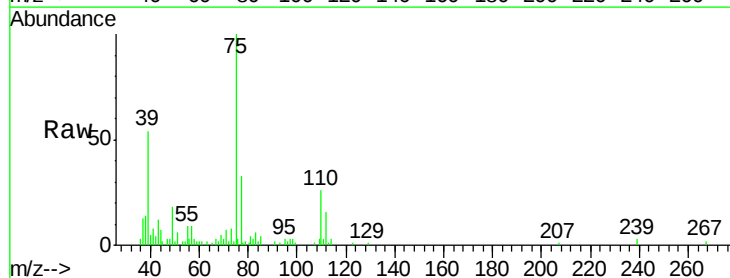
Tgt Ion: 75 Resp: 22013

Ion Ratio Lower Upper

75 100

77 31.6 24.6 36.8

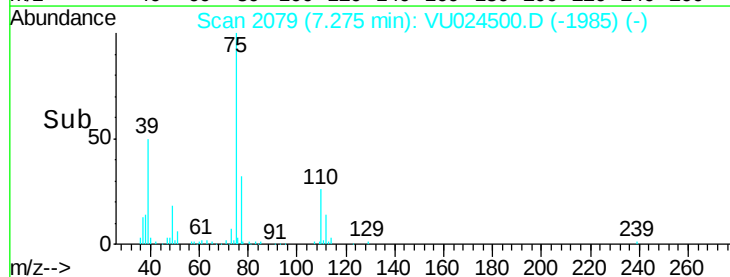
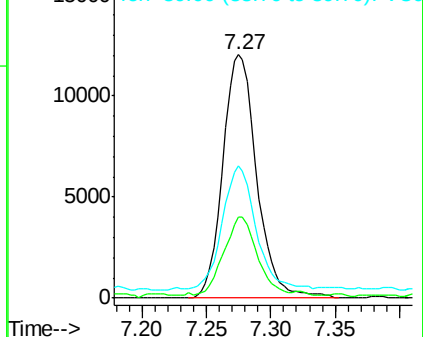
39 50.2 39.8 59.6

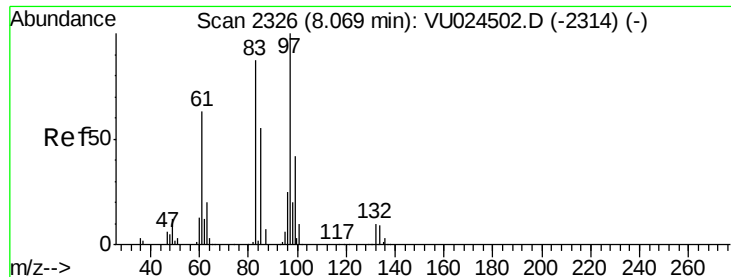


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





#55

1,1,2-Trichloroethane

Concen: 3.80 ug/l

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 12601

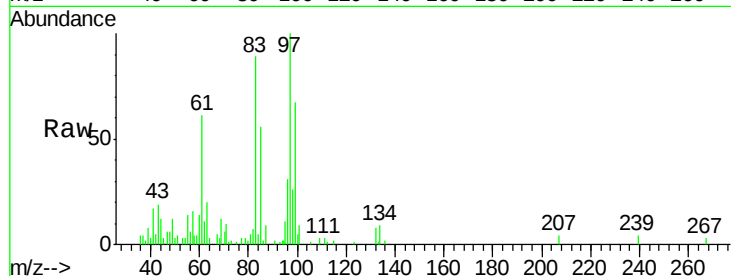
Ion Ratio Lower Upper

97 100

83 84.0 70.5 105.7

85 52.5 46.4 69.6

99 67.8 50.2 75.2

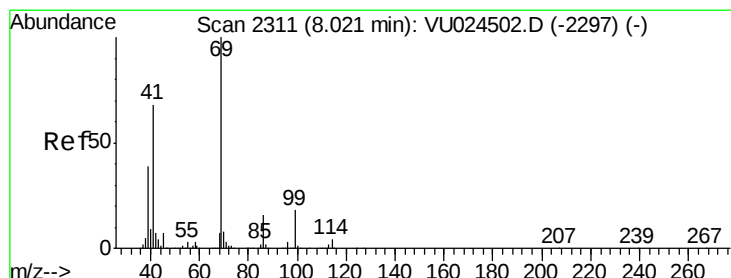
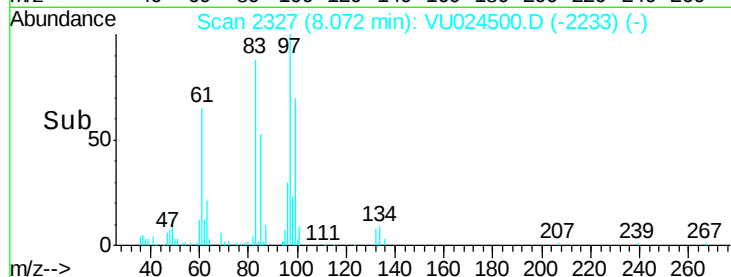
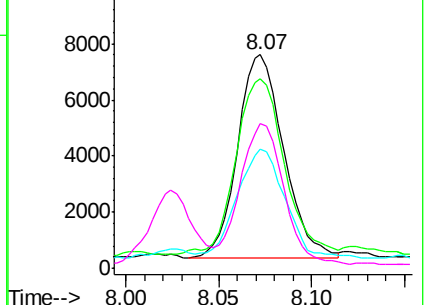


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 5.01 ug/l

RT: 8.02 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

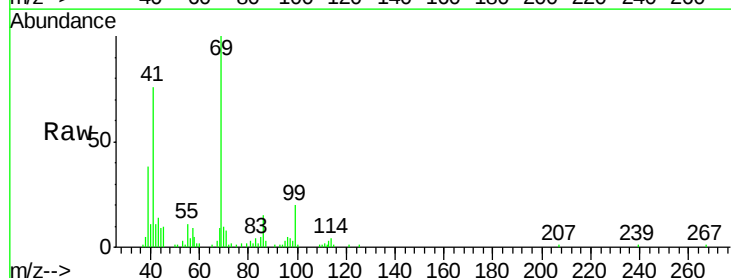
Tgt Ion: 69 Resp: 21683

Ion Ratio Lower Upper

69 100

41 72.0 54.1 81.1

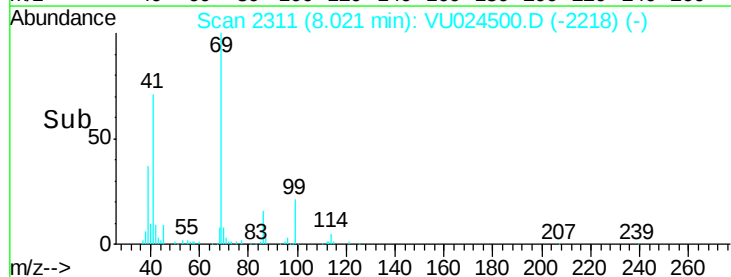
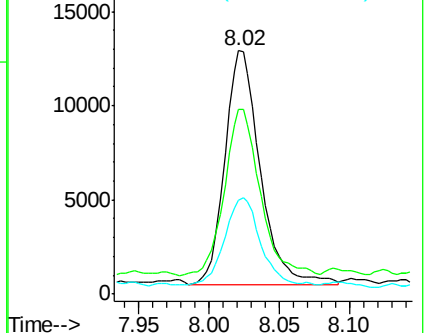
39 38.4 30.3 45.5

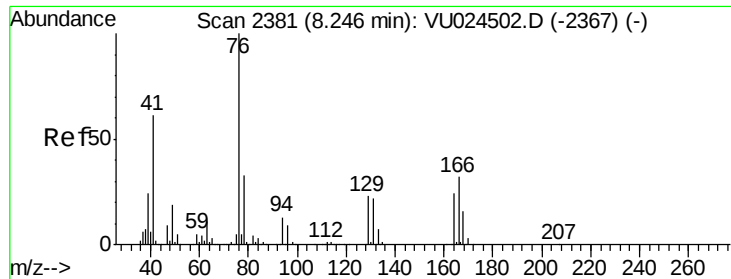


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 3.92 ug/l

RT: 8.25 min Scan# 2382

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

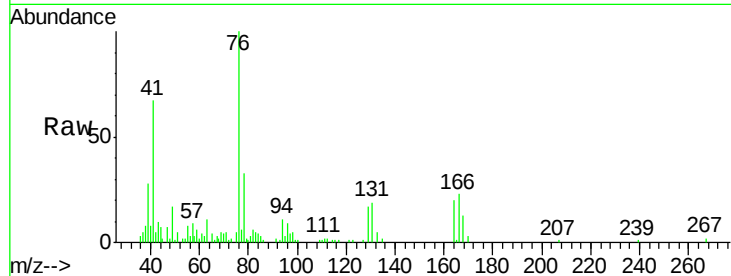
VSTDIC005

Tgt Ion: 76 Resp: 22364

Ion Ratio Lower Upper

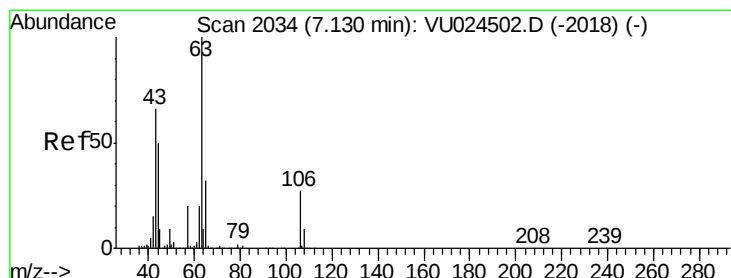
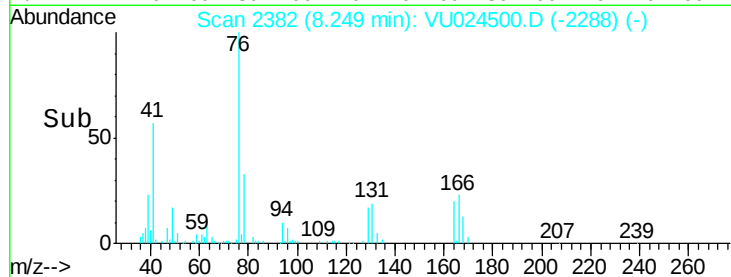
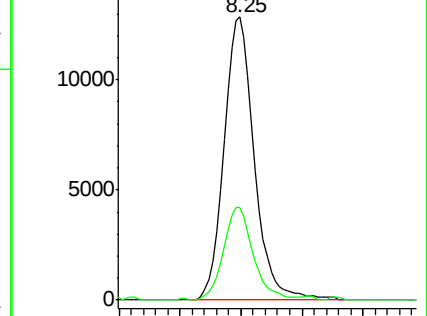
76 100

78 32.2 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 19.04 ug/l

RT: 7.13 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU024500.D

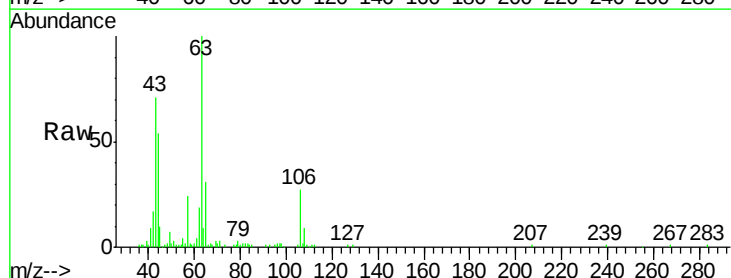
Acq: 13 Jun 2018 11:56

Tgt Ion: 63 Resp: 42363

Ion Ratio Lower Upper

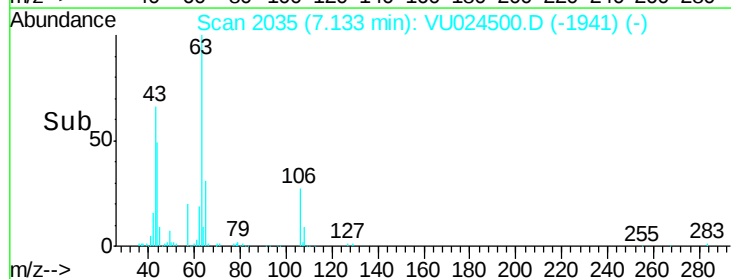
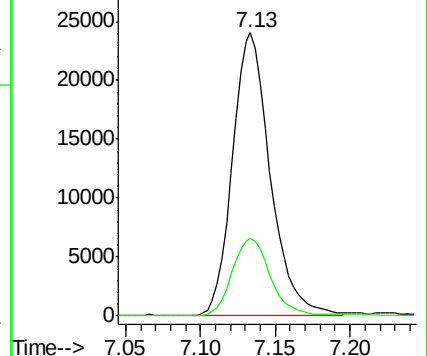
63 100

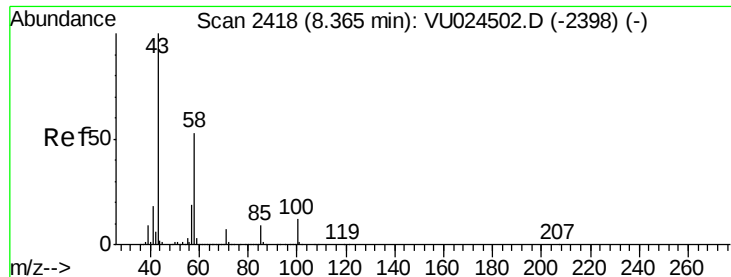
106 27.7 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

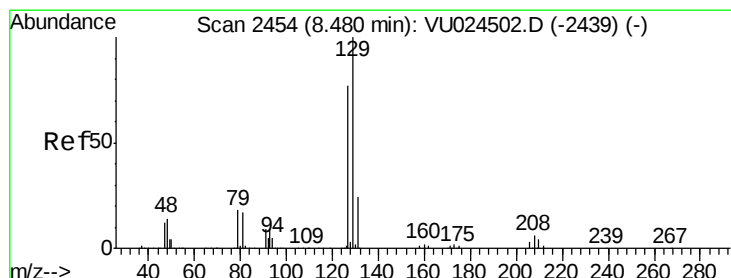
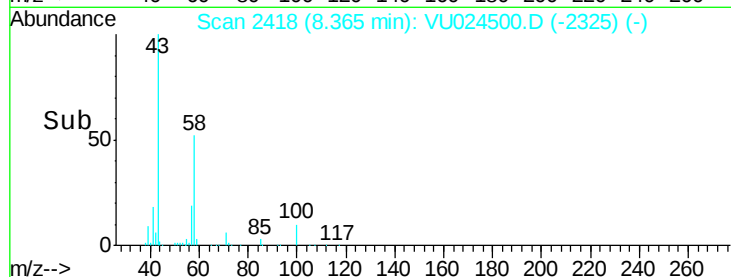
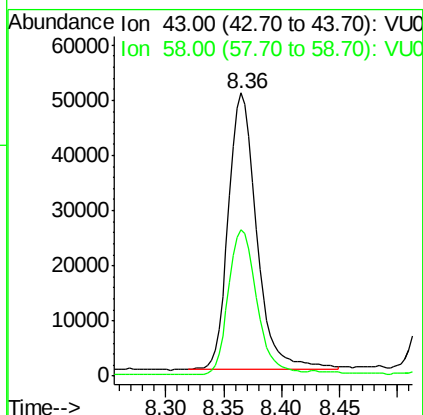
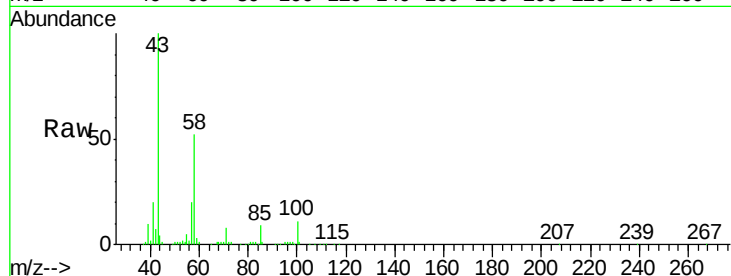




#59
2-Hexanone
Concen: 19.97 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

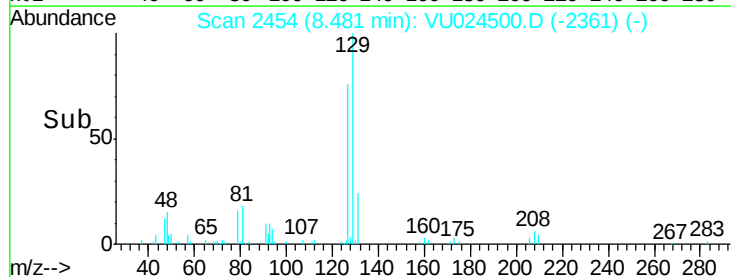
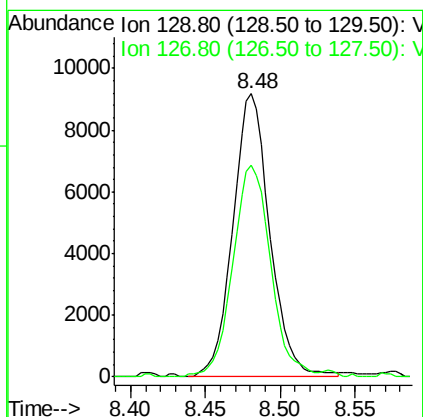
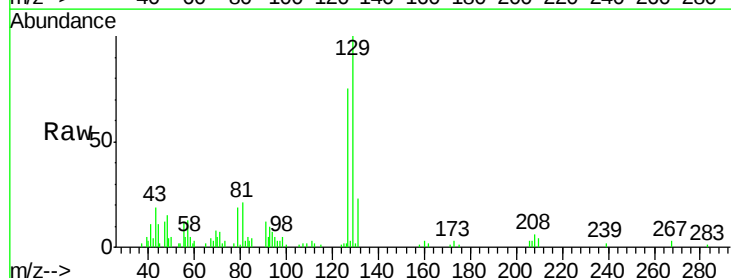
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

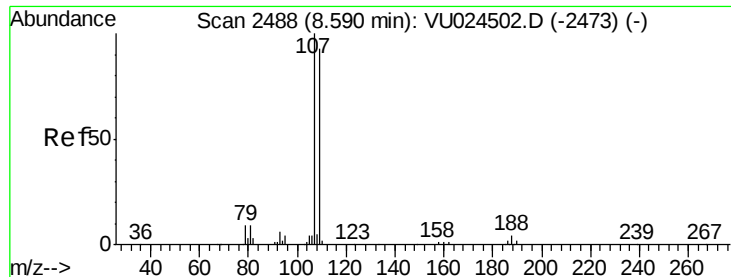
Tgt Ion: 43 Resp: 85118
Ion Ratio Lower Upper
43 100
58 52.3 26.4 79.0



#60
Dibromochloromethane
Concen: 4.70 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion: 129 Resp: 15829
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 4.33 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

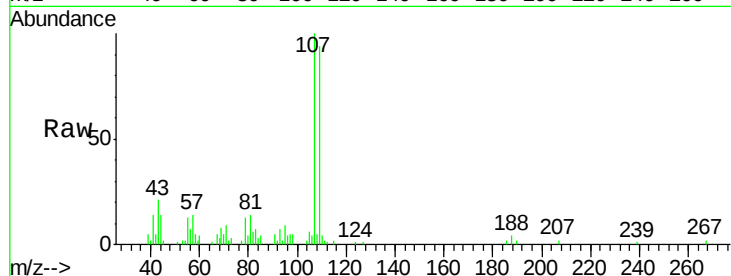
VSTDIC005

Tgt Ion: 107 Resp: 15039

Ion Ratio Lower Upper

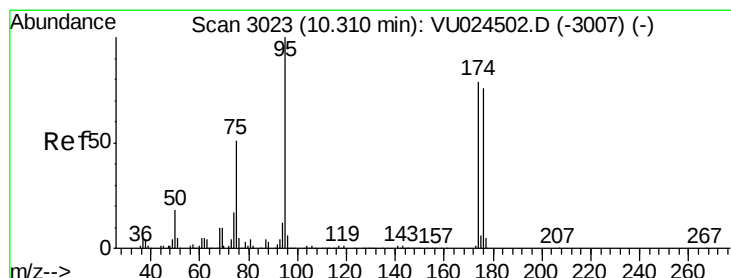
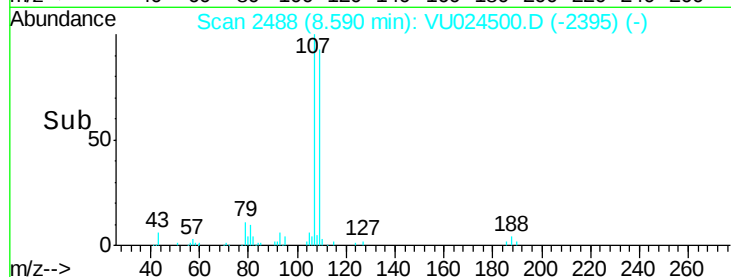
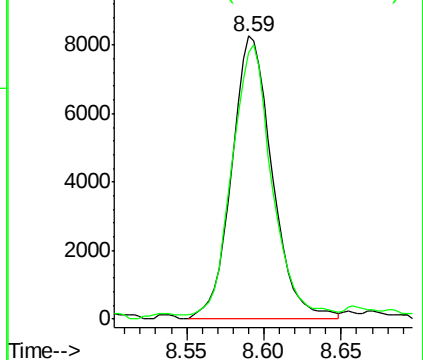
107 100

109 92.0 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.19 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

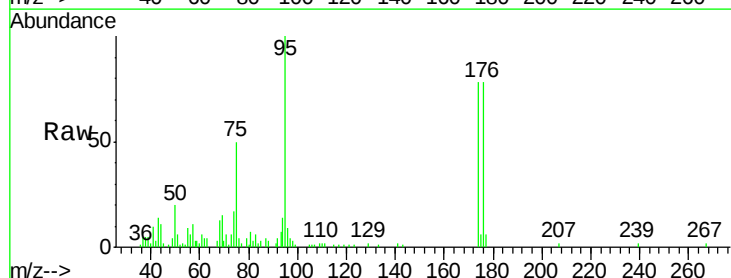
Tgt Ion: 95 Resp: 17743

Ion Ratio Lower Upper

95 100

174 80.4 0.0 165.8

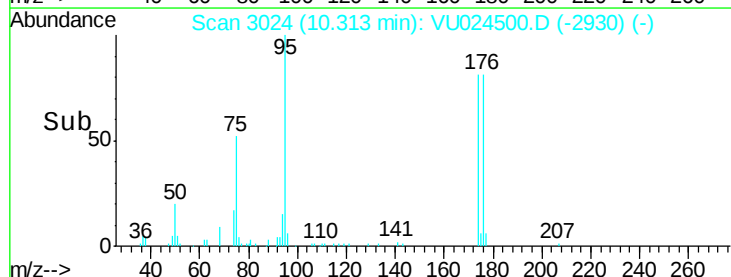
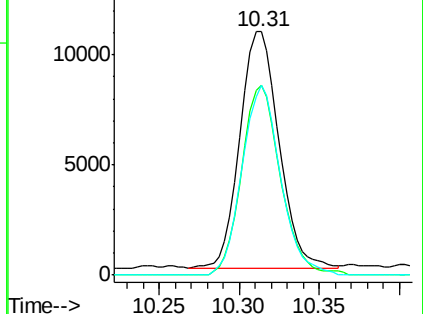
176 79.5 0.0 159.4

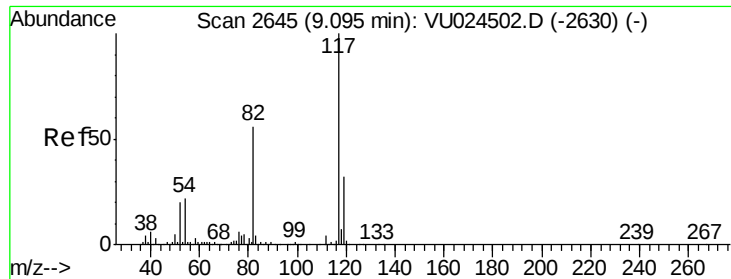


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

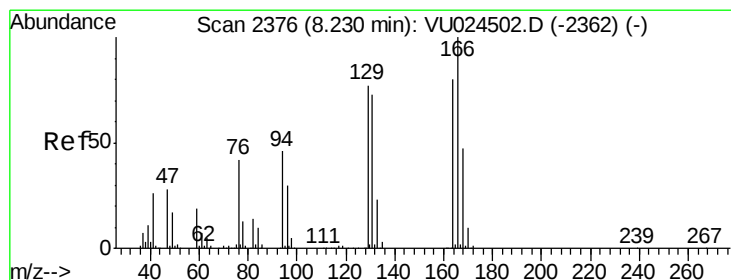
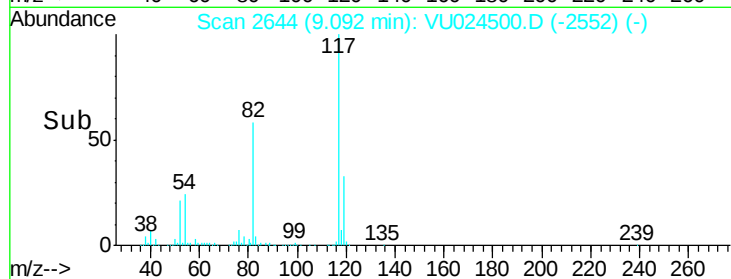
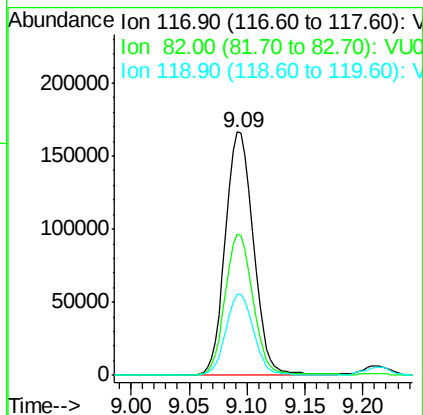
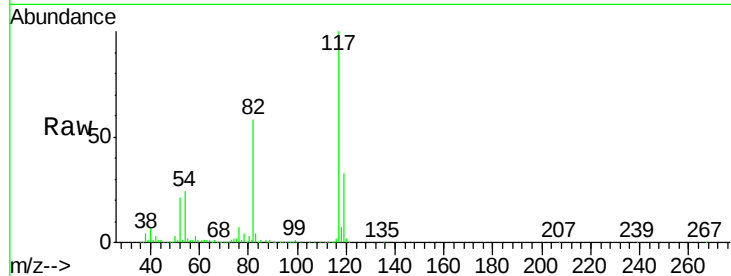




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

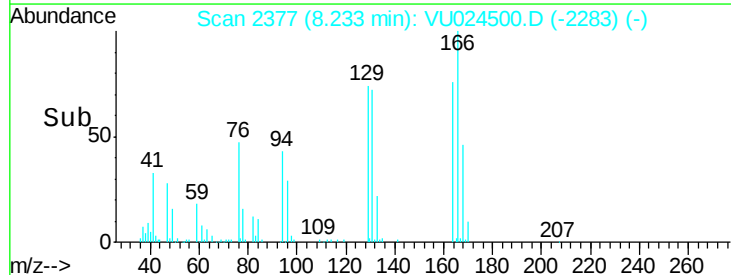
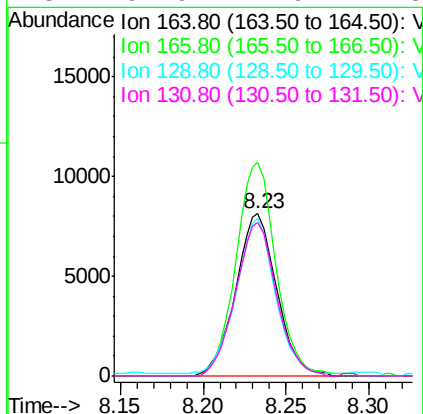
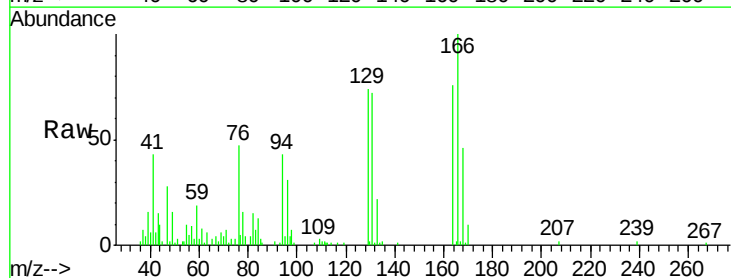
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

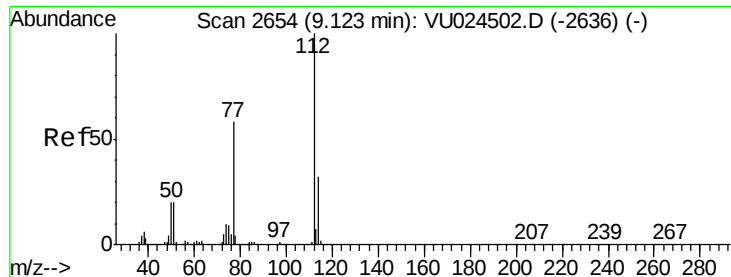
Tgt Ion:117 Resp: 280445
Ion Ratio Lower Upper
117 100
82 57.9 44.3 66.5
119 33.4 25.4 38.2



#64
Tetrachloroethene
Concen: 5.01 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion:164 Resp: 13962
Ion Ratio Lower Upper
164 100
166 131.8 101.7 152.5
129 95.9 76.9 115.3
131 94.9 74.9 112.3





#65

Chlorobenzene

Concen: 4.49 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

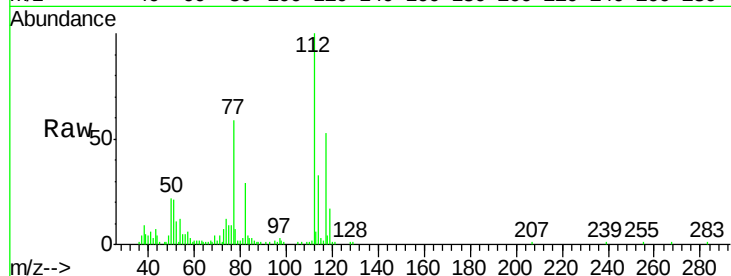
VSTDIC005

Tgt Ion:112 Resp: 36609

Ion Ratio Lower Upper

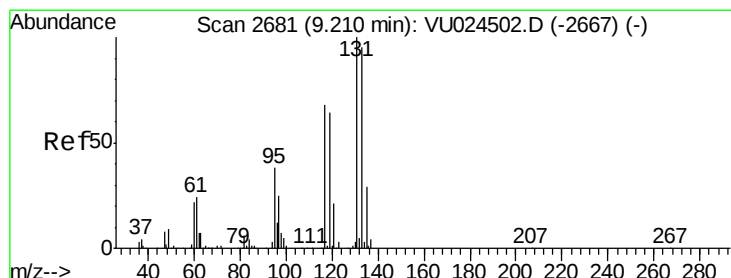
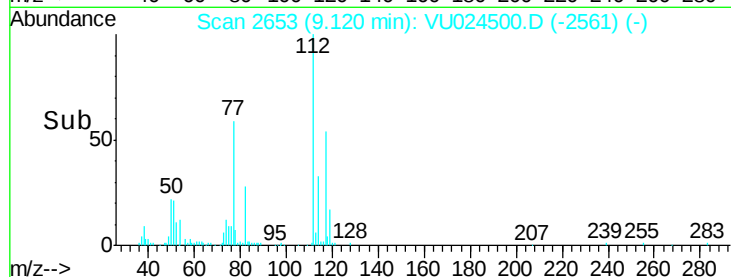
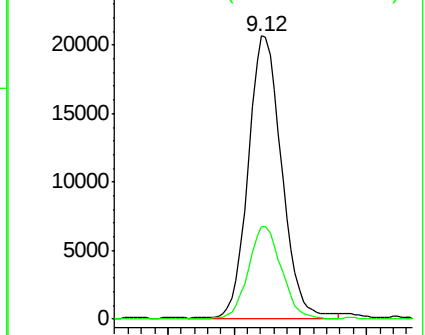
112 100

114 32.6 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.06 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

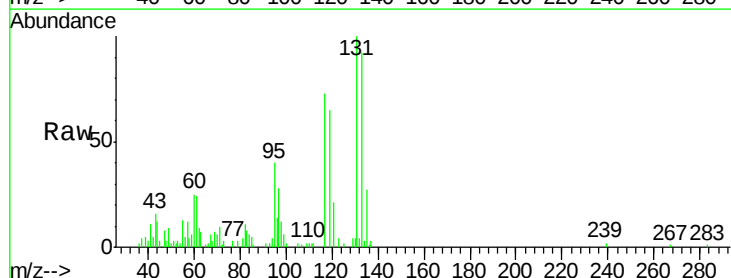
Tgt Ion:131 Resp: 14186

Ion Ratio Lower Upper

131 100

133 92.1 46.9 140.8

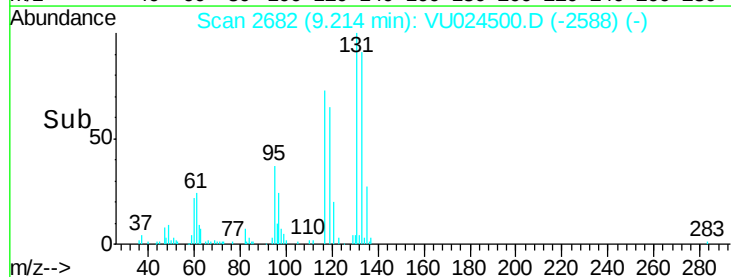
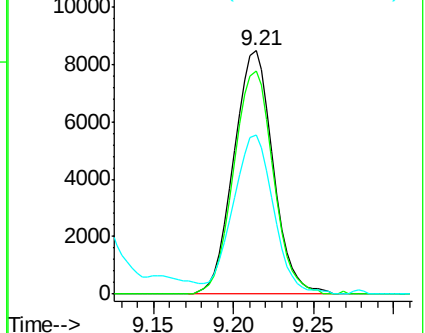
119 67.4 33.5 100.4

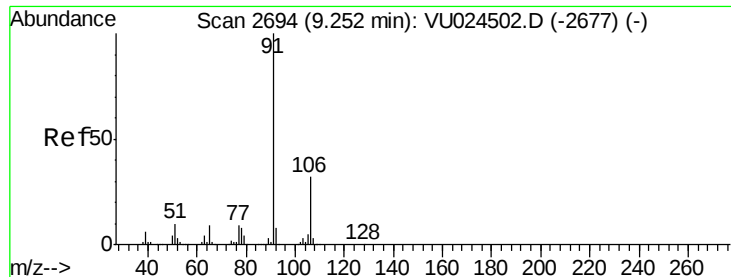


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 4.86 ug/l

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

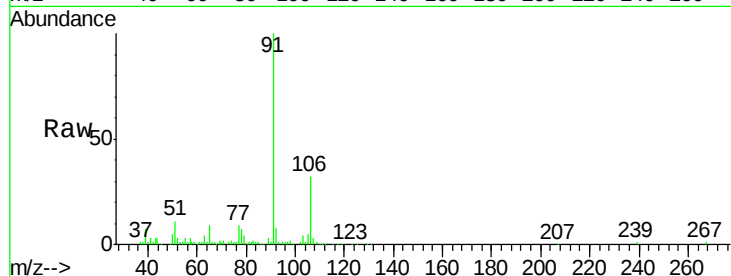
VSTDIC005

Tgt Ion: 91 Resp: 63907

Ion Ratio Lower Upper

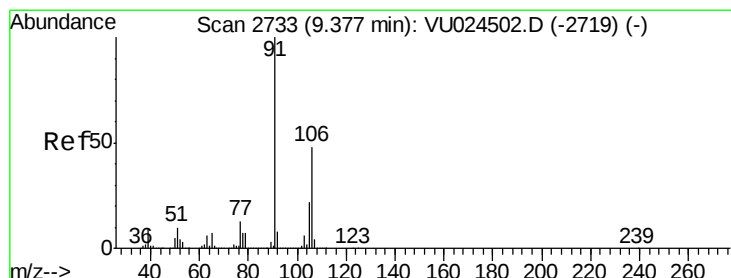
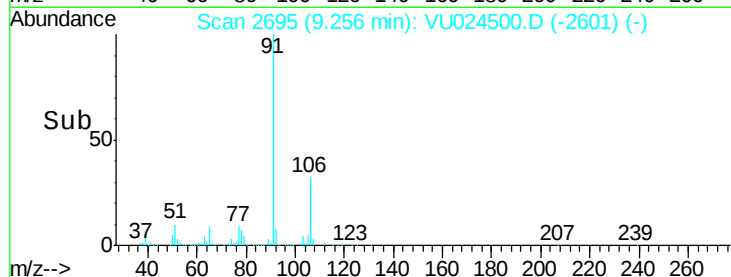
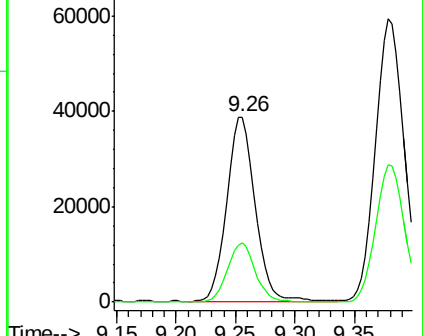
91 100

106 32.2 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU024500.D (-2677) (-)

Ion 106.00 (105.70 to 106.70): VU024500.D (-2677) (-)



#68

m/p-Xylenes

Concen: 9.83 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024500.D

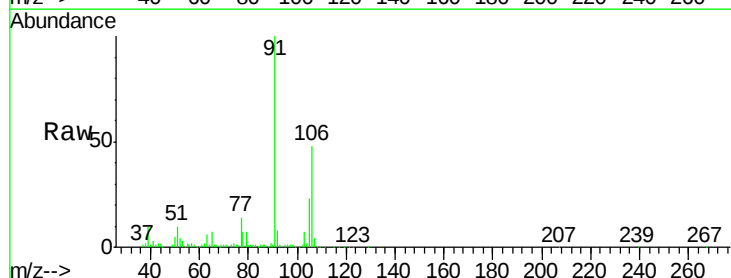
Acq: 13 Jun 2018 11:56

Tgt Ion: 106 Resp: 49256

Ion Ratio Lower Upper

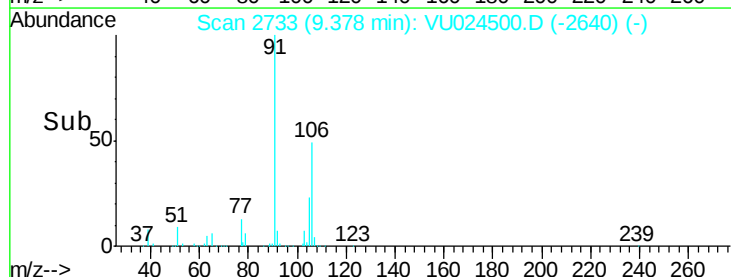
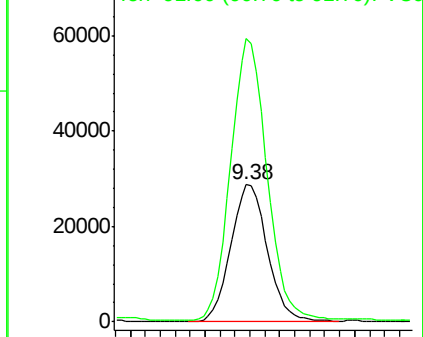
106 100

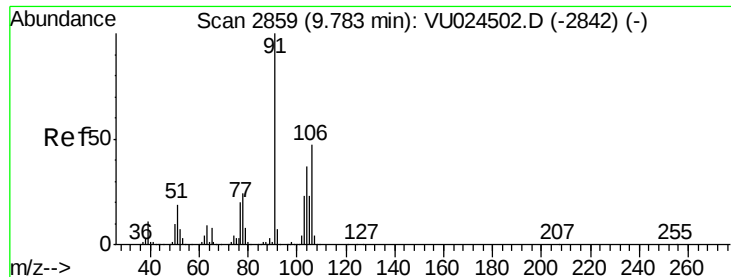
91 202.1 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): VU024500.D (-2719) (-)

Ion 91.00 (90.70 to 91.70): VU024500.D (-2719) (-)

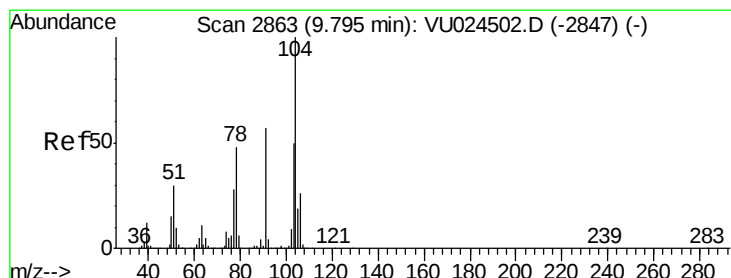
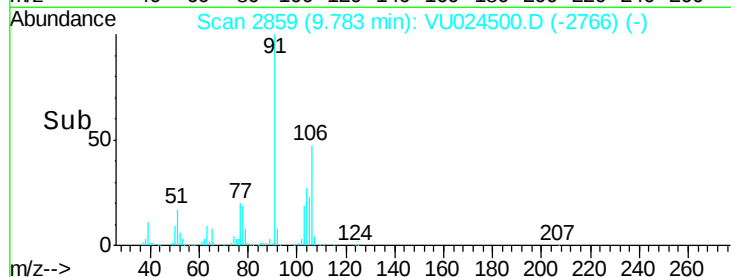
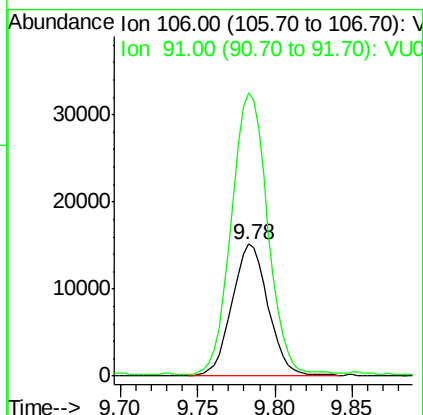
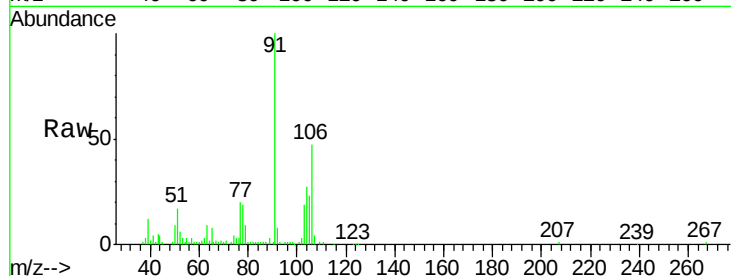




#69
o-Xylene
Concen: 5.35 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

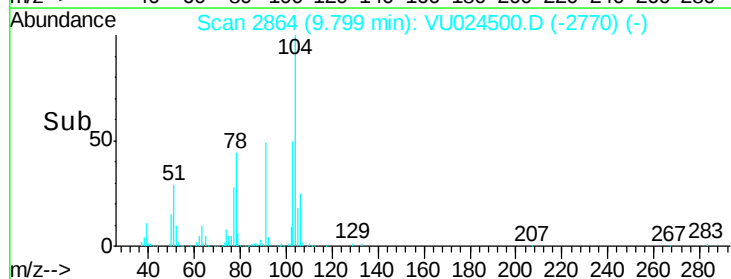
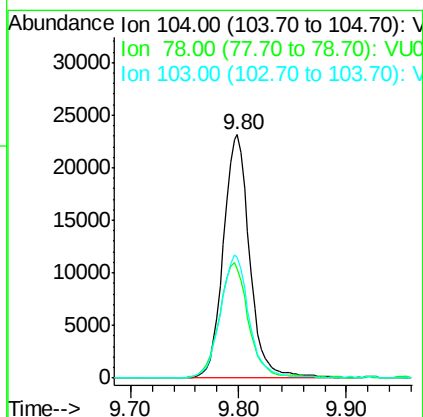
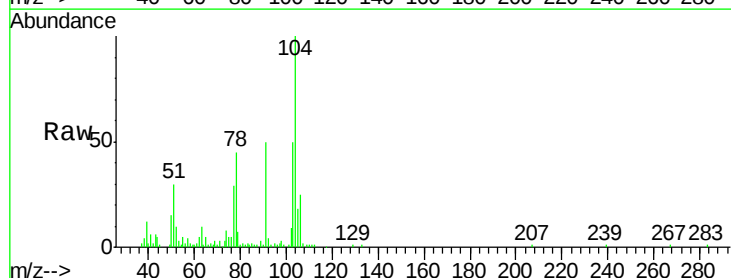
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

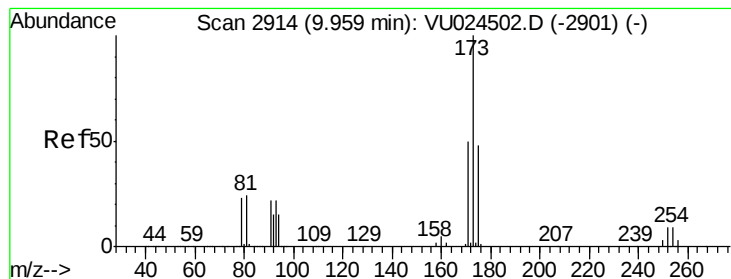
Tgt Ion:106 Resp: 24735
Ion Ratio Lower Upper
106 100
91 211.3 110.7 331.9



#70
Styrene
Concen: 5.01 ug/l
RT: 9.80 min Scan# 2864
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion:104 Resp: 39411
Ion Ratio Lower Upper
104 100
78 51.8 40.6 60.8
103 54.7 44.7 67.1





#71

Bromoform

Concen: 5.28 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

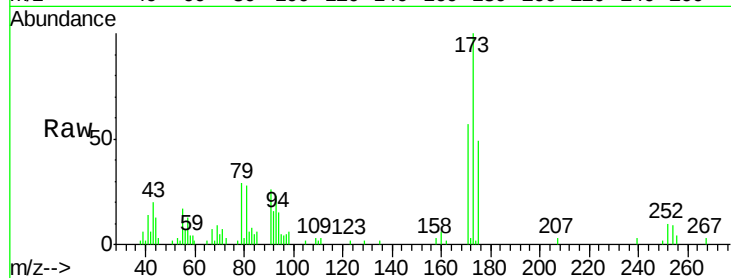
Tgt Ion:173 Resp: 12764

Ion Ratio Lower Upper

173 100

175 45.9 24.6 74.0

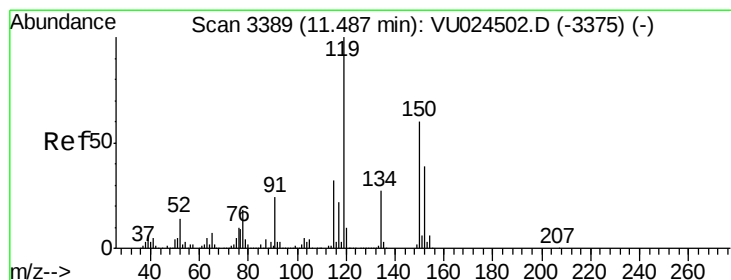
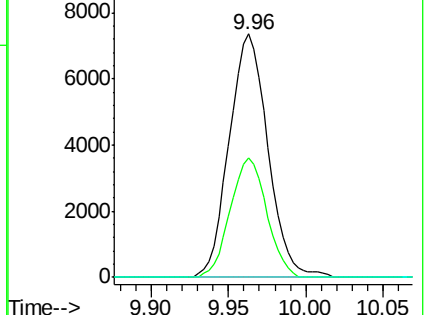
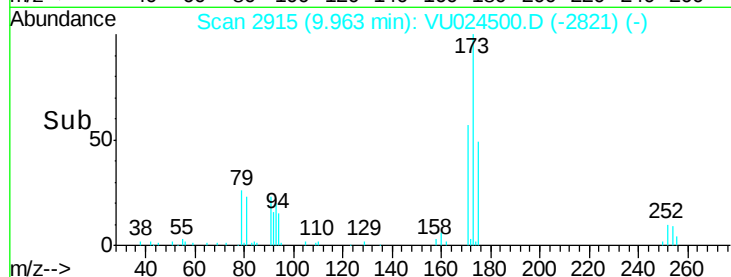
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

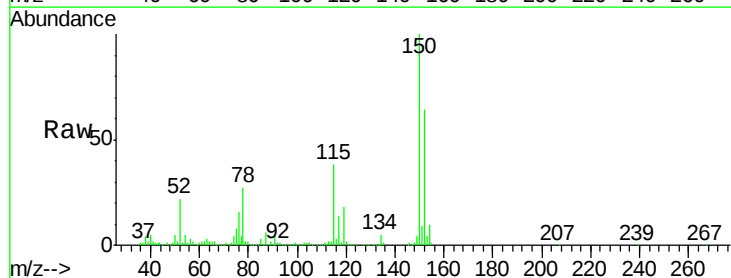
Tgt Ion:152 Resp: 158455

Ion Ratio Lower Upper

152 100

115 60.8 43.0 129.0

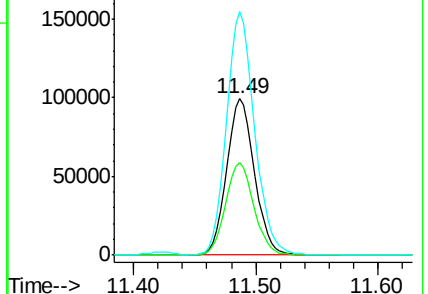
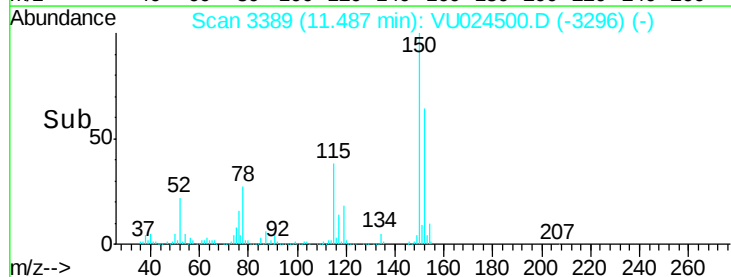
150 156.7 0.0 354.0

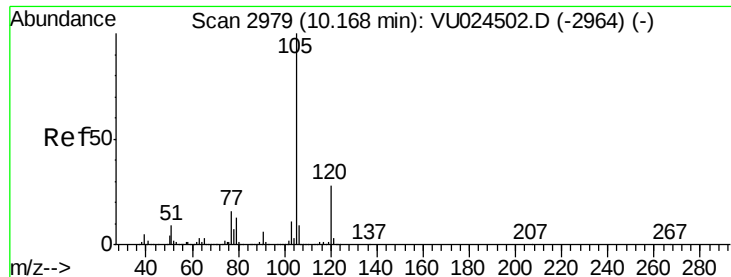


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.83 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

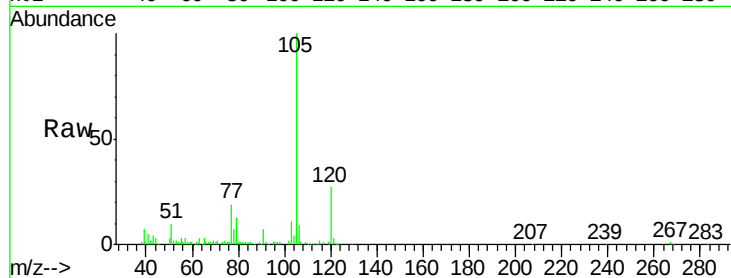
VSTDIC005

Tgt Ion: 105 Resp: 63738

Ion Ratio Lower Upper

105 100

120 27.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

40000

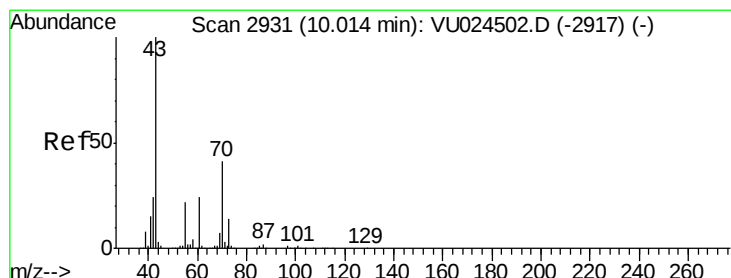
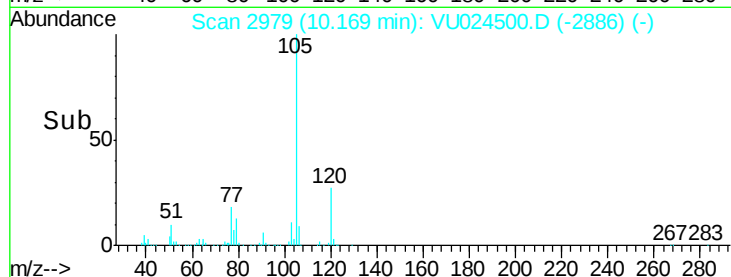
30000

20000

10000

0

Time--> 10.10 10.15 10.20 10.25



#74

N-ethyl acetate

Concen: 6.08 ug/l

RT: 10.02 min Scan# 2932

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Tgt Ion: 43 Resp: 30047

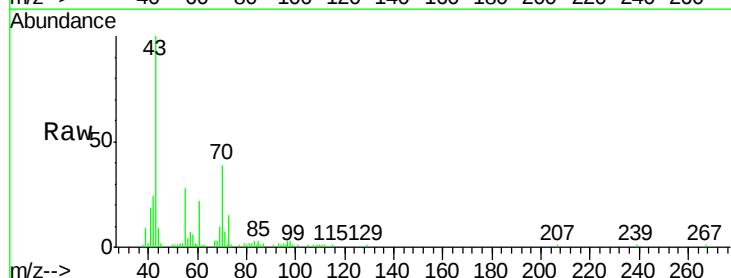
Ion Ratio Lower Upper

43 100

70 37.7 32.2 48.4

55 20.6 20.5 30.7

61 23.0 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

25000

20000

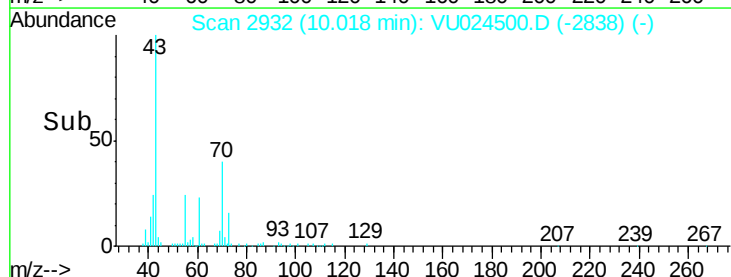
15000

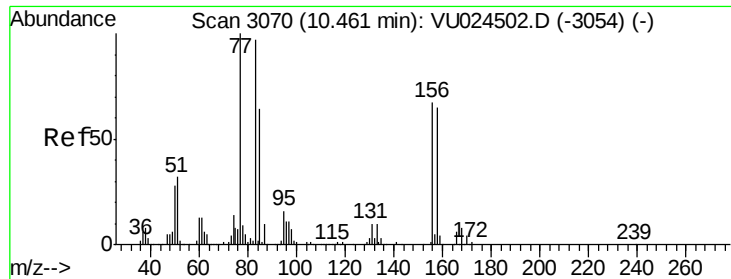
10000

5000

0

Time--> 9.95 10.00 10.05 10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 4.31 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

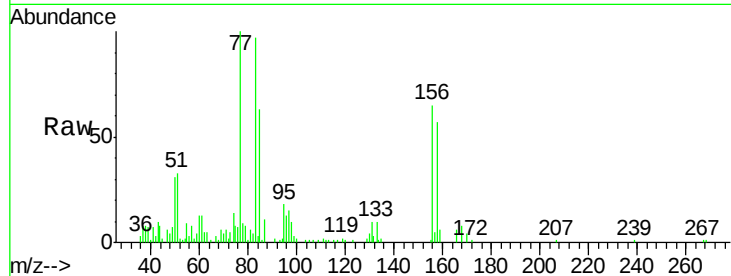
Tgt Ion: 83 Resp: 20438

Ion Ratio Lower Upper

83 100

131 11.4 4.7 14.1

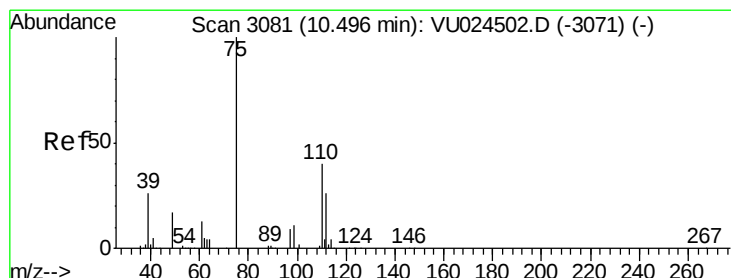
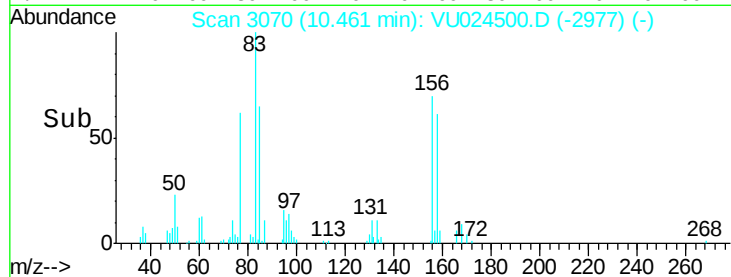
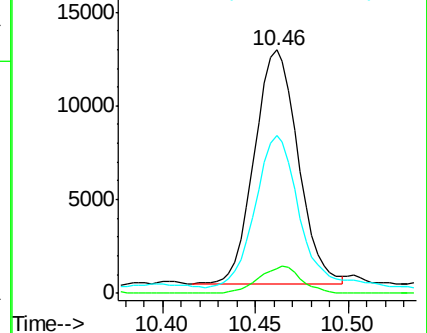
85 66.3 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 7.87 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024500.D

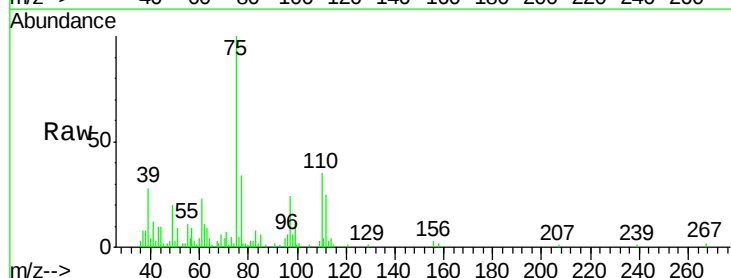
Acq: 13 Jun 2018 11:56

Tgt Ion: 75 Resp: 26163

Ion Ratio Lower Upper

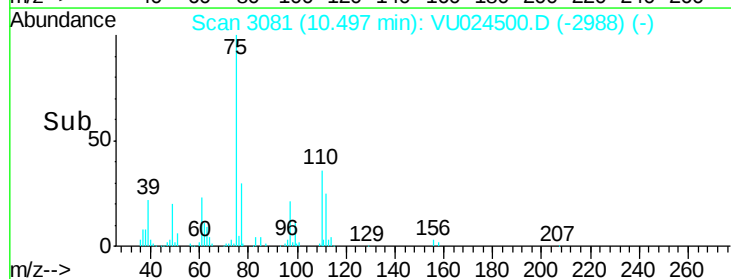
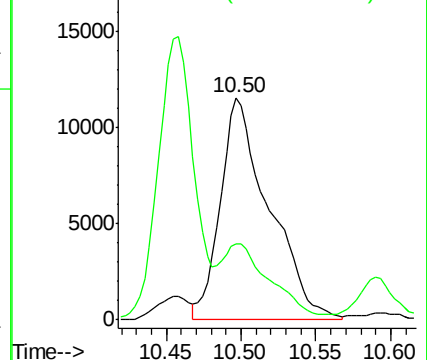
75 100

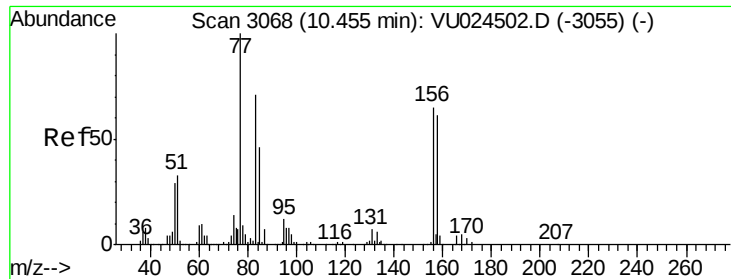
77 30.7 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 5.32 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

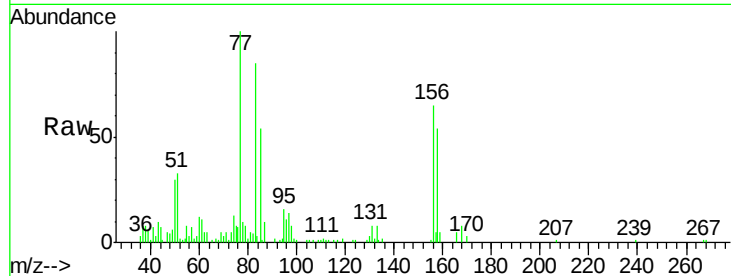
Tgt Ion:156 Resp: 16104

Ion Ratio Lower Upper

156 100

77 148.5 80.5 241.3

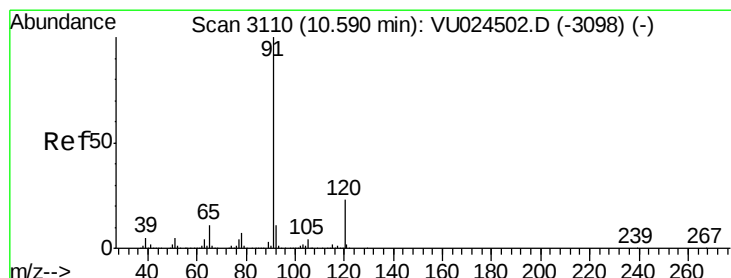
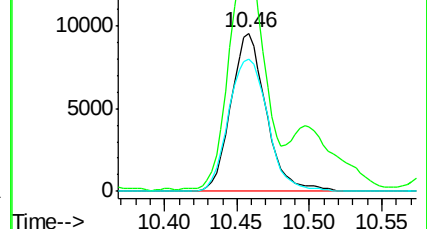
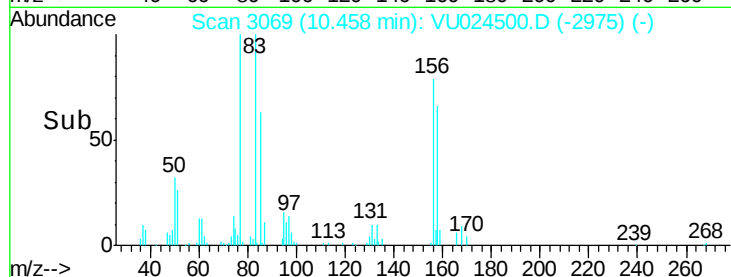
158 93.1 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.59 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024500.D

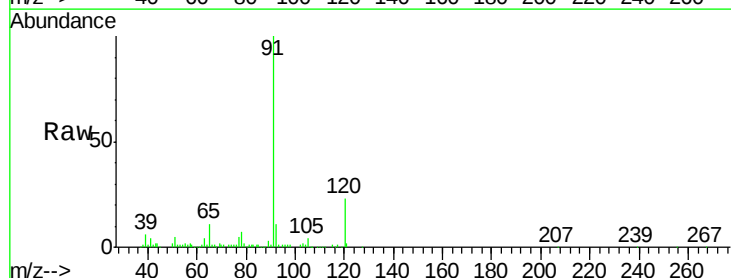
Acq: 13 Jun 2018 11:56

Tgt Ion: 91 Resp: 75667

Ion Ratio Lower Upper

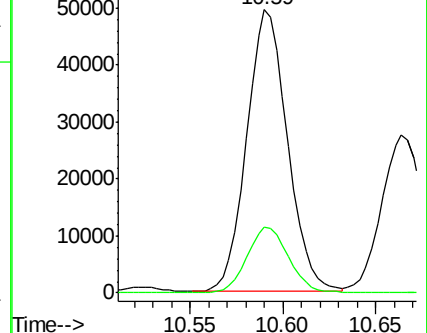
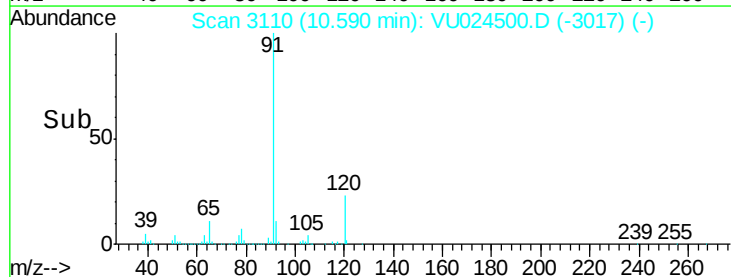
91 100

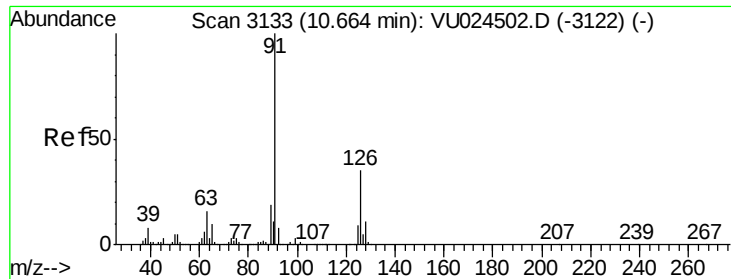
120 24.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

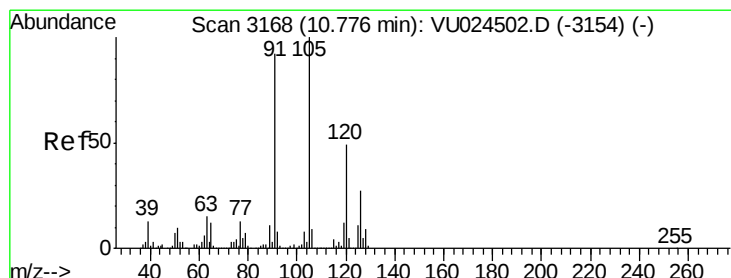
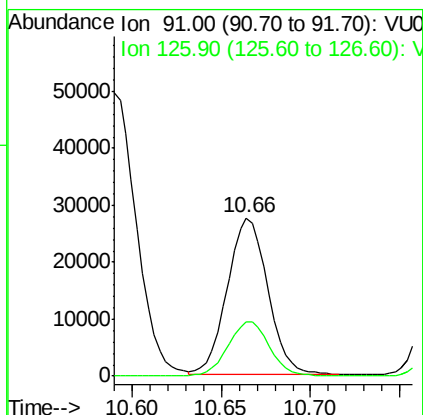
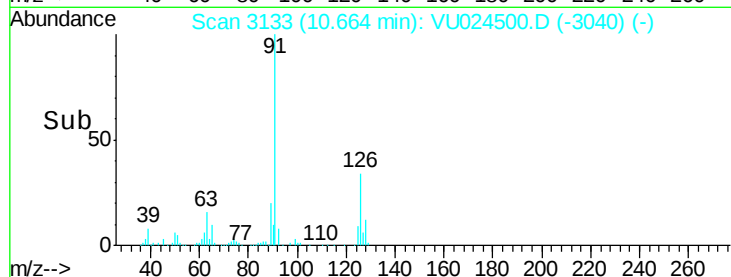
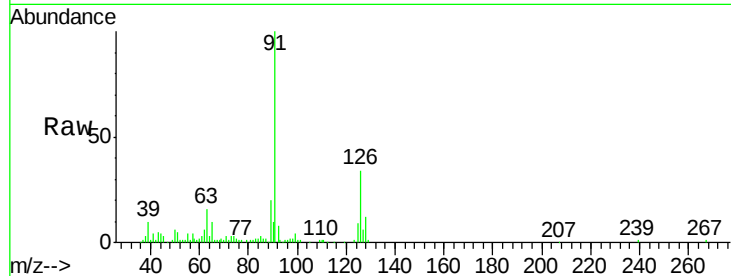




#79
 2-Chlorotoluene
 Concen: 5.30 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

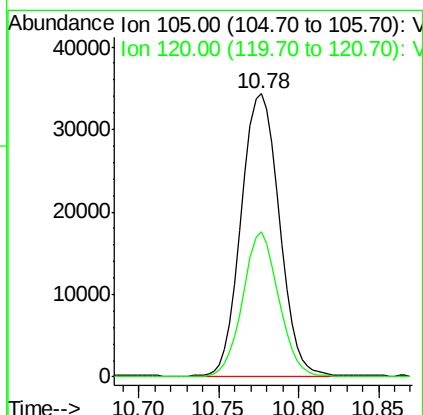
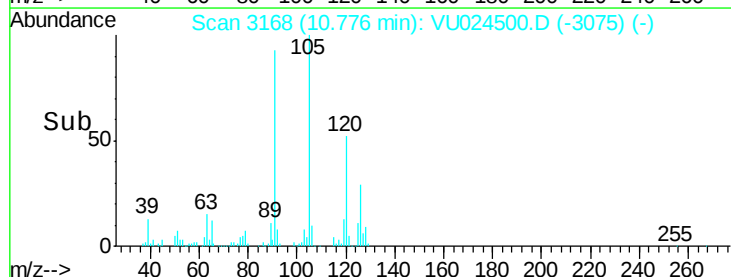
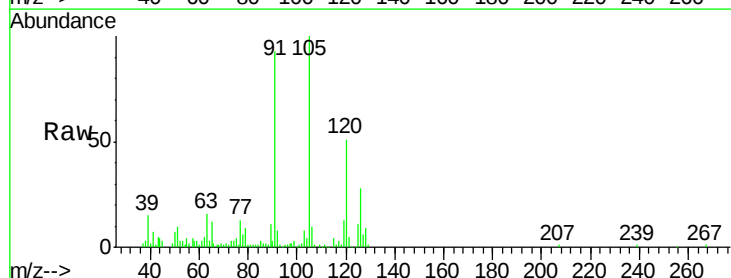
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

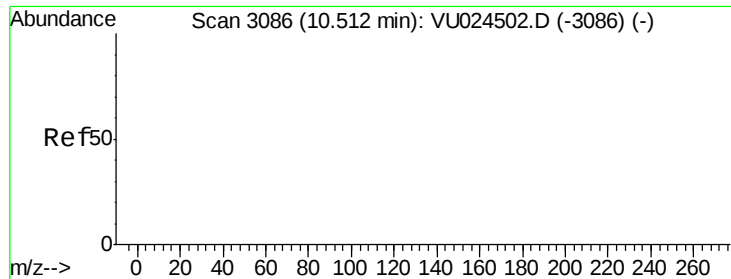
Tgt Ion: 91 Resp: 43538
 Ion Ratio Lower Upper
 91 100
 126 35.6 16.9 50.7



#80
 1,3,5-Trimethylbenzene
 Concen: 6.00 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion: 105 Resp: 55557
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.1 72.2

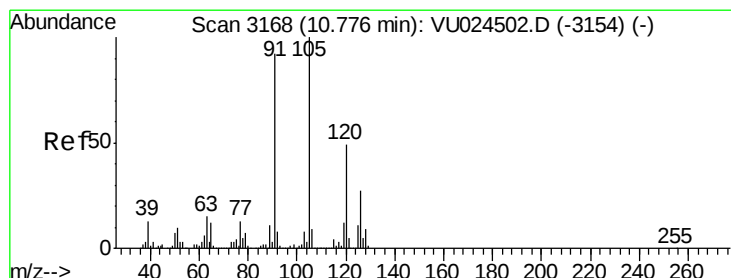
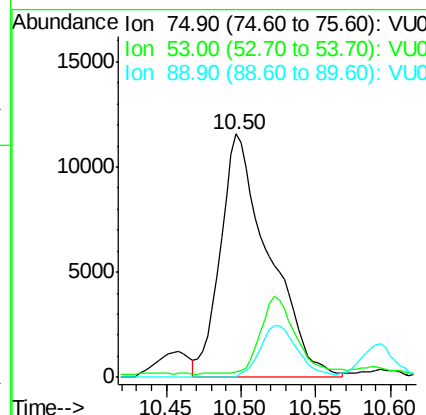
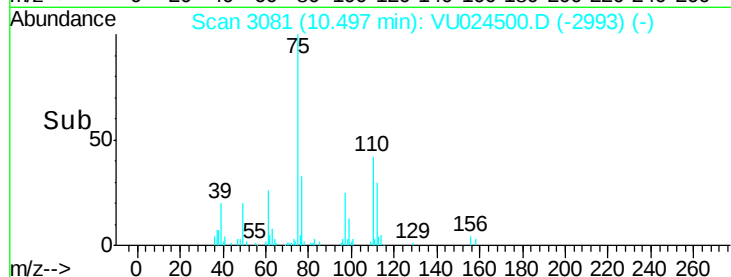
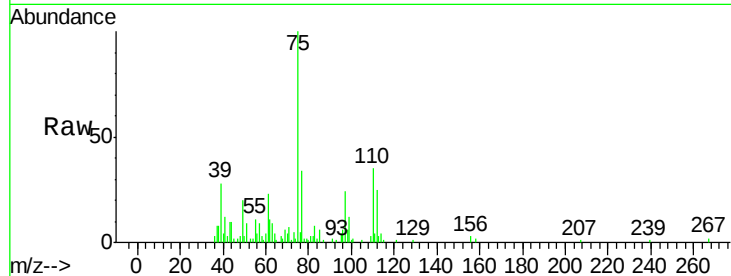




#81
trans-1,4-Dichloro-2-butene
Concen: 16.70 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

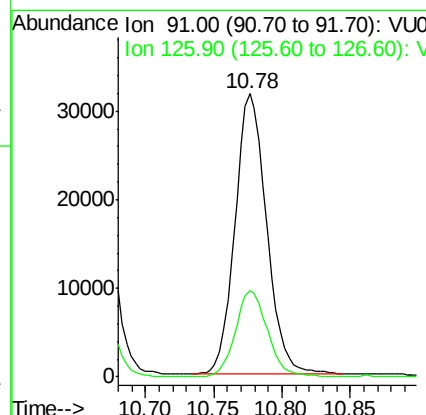
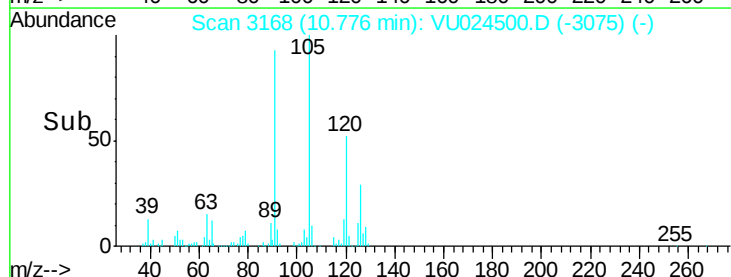
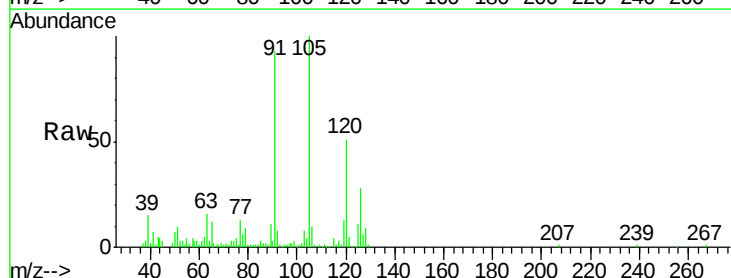
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

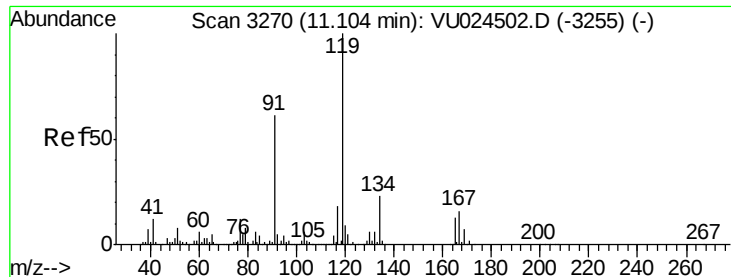
Tgt Ion: 75 Resp: 26163
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 5.35 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion: 91 Resp: 50997
Ion Ratio Lower Upper
91 100
126 31.1 14.9 44.9

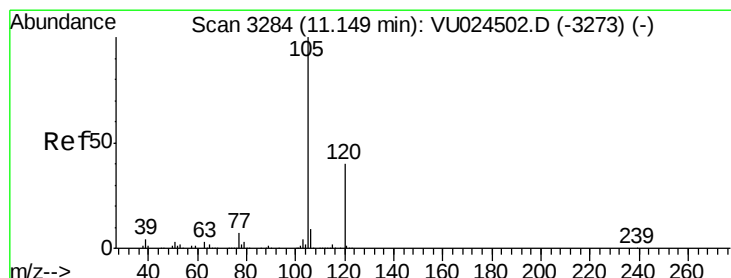
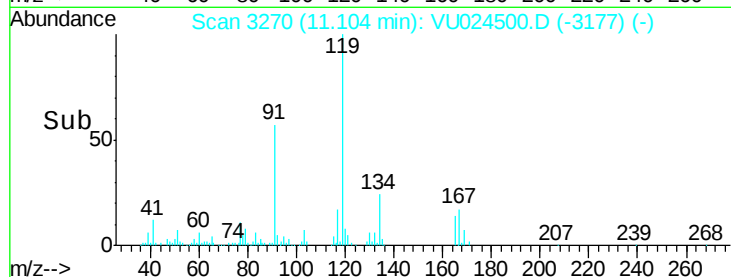
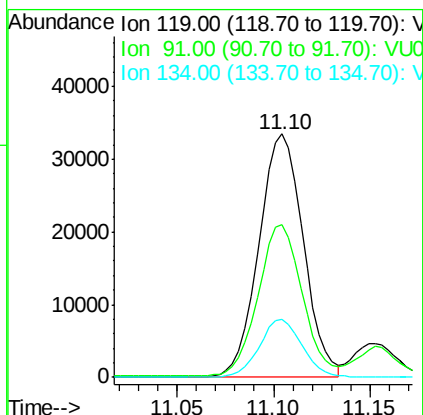
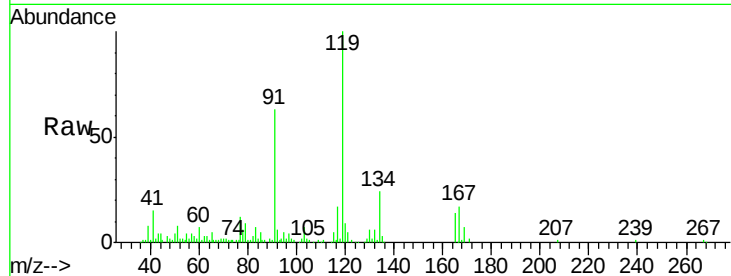




#83
 tert-Butylbenzene
 Concen: 5.93 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

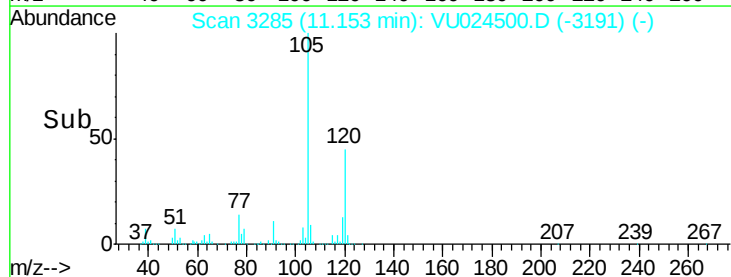
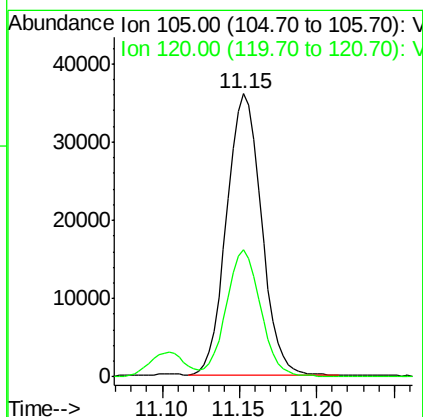
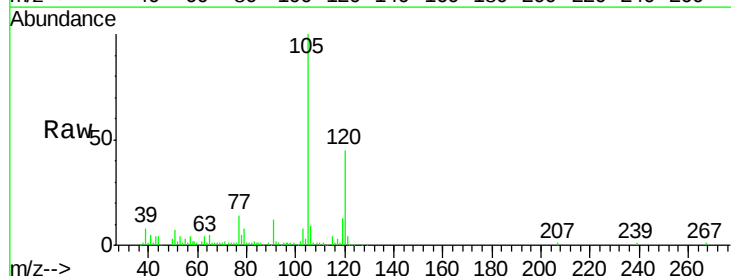
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

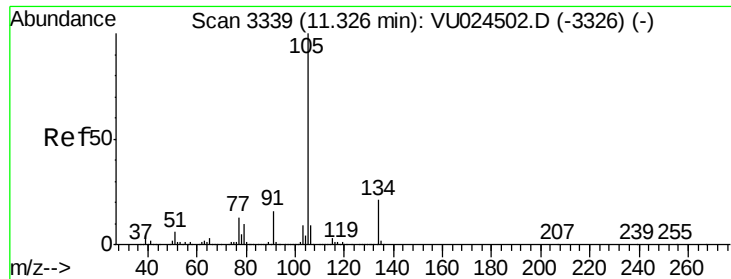
Tgt Ion:119 Resp: 53481
 Ion Ratio Lower Upper
 119 100
 91 61.8 29.7 89.1
 134 22.9 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 6.01 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion:105 Resp: 56228
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.6 67.8

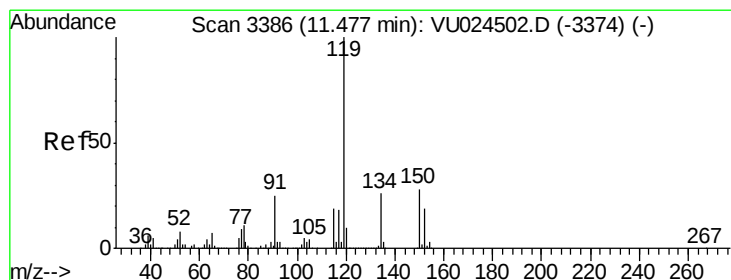
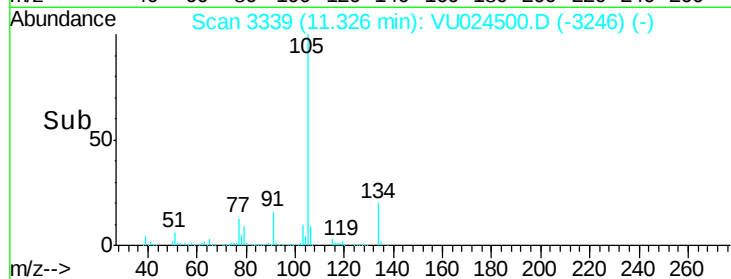
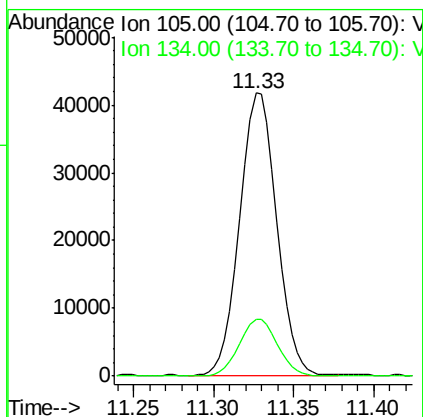
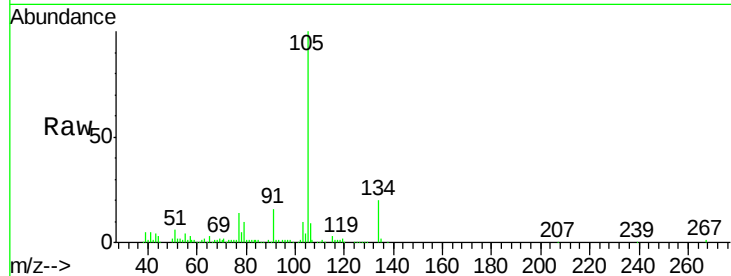




#85
 sec-Butylbenzene
 Concen: 5.84 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

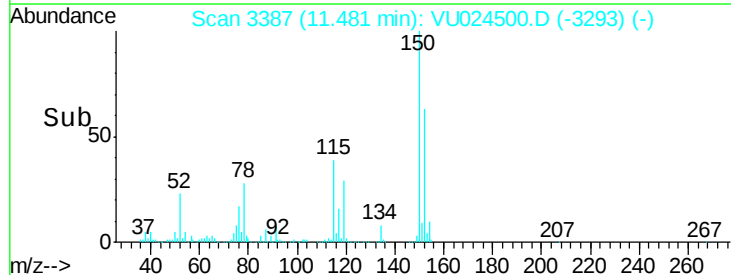
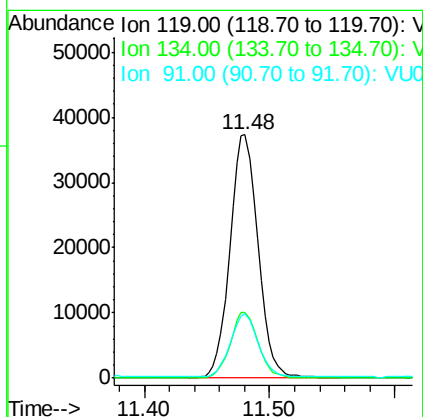
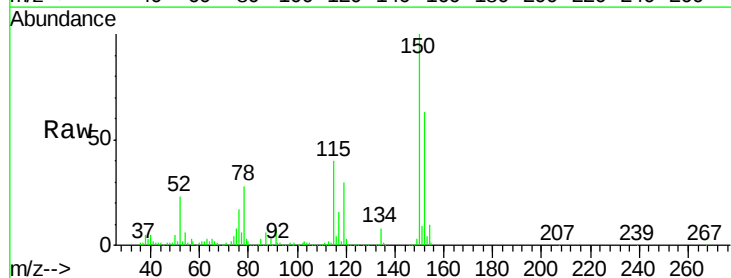
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

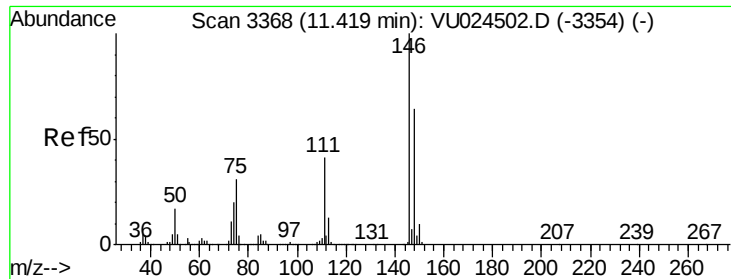
Tgt Ion:105 Resp: 66144
 Ion Ratio Lower Upper
 105 100
 134 20.6 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 5.83 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion:119 Resp: 58336
 Ion Ratio Lower Upper
 119 100
 134 26.7 12.9 38.6
 91 25.2 12.0 36.1

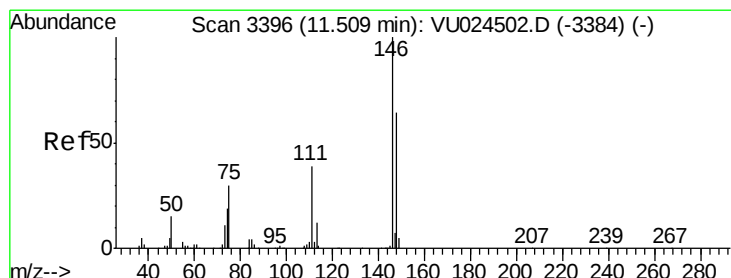
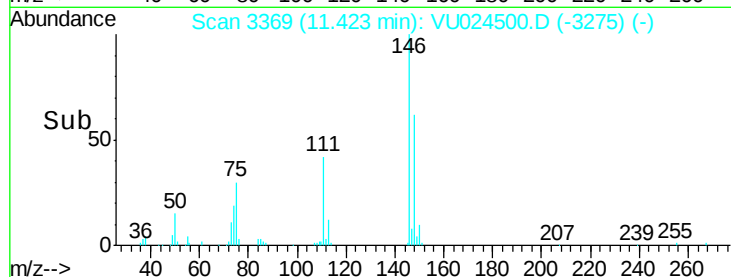
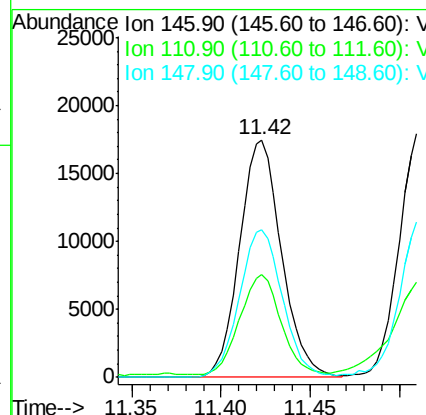
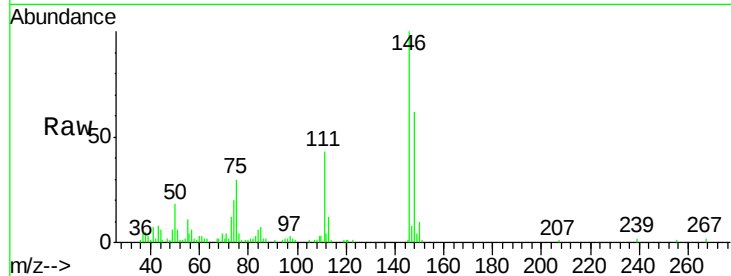




#87
 1,3-Dichlorobenzene
 Concen: 4.93 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

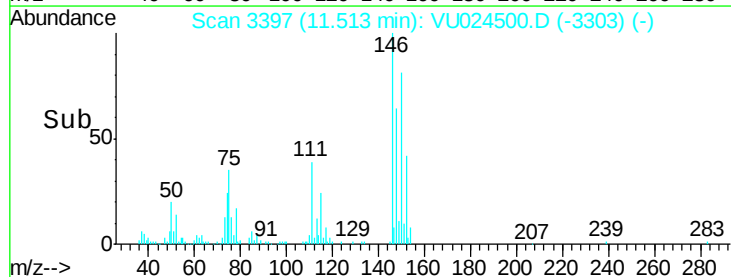
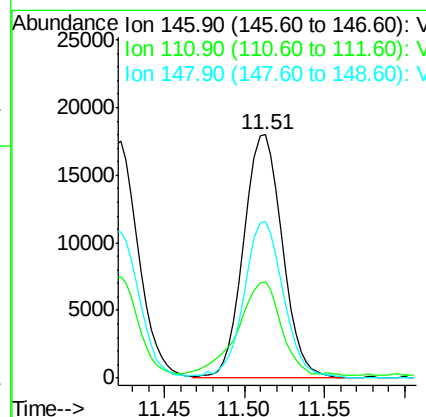
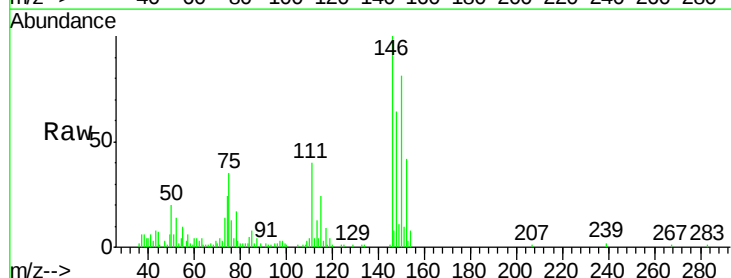
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

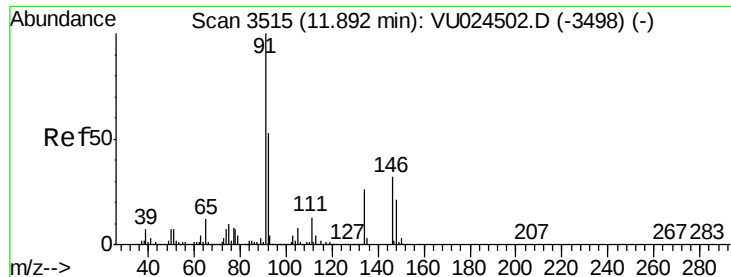
Tgt Ion:146 Resp: 28681
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.0 60.0
 148 63.8 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 4.90 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion:146 Resp: 29793
 Ion Ratio Lower Upper
 146 100
 111 41.7 19.5 58.5
 148 65.6 32.4 97.0





#89

n-Butylbenzene

Concen: 5.10 ug/l

RT: 11.90 min Scan# 3516

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

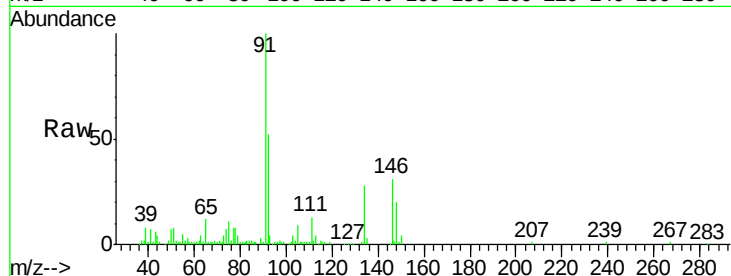
Tgt Ion: 91 Resp: 50235

Ion Ratio Lower Upper

91 100

92 53.1 25.6 76.8

134 27.6 12.3 36.8

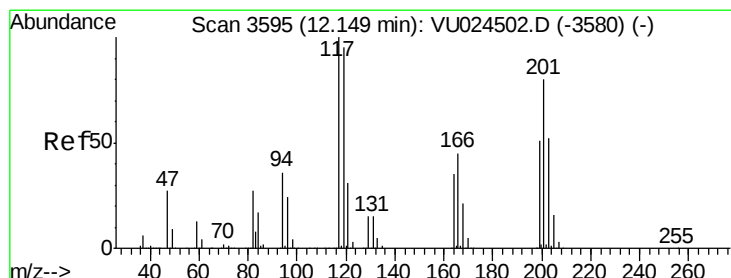
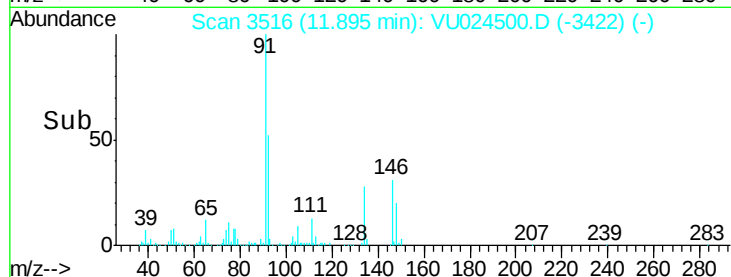


Abundance Ion 91.00 (90.70 to 91.70): VU024500.D (-3498) (-)

Ion 92.00 (91.70 to 92.70): VU024500.D (-3498) (-)

Ion 134.00 (133.70 to 134.70): VU024500.D (-3498) (-)

Time-->



#90

Hexachloroethane

Concen: 6.29 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU024500.D

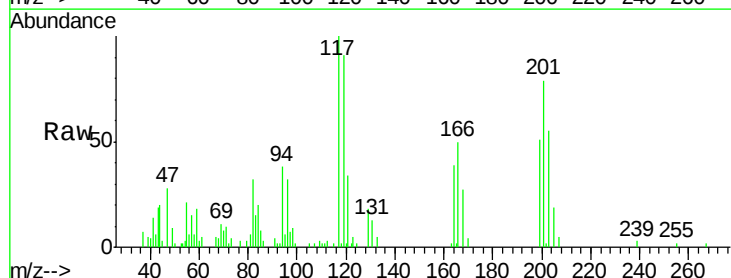
Acq: 13 Jun 2018 11:56

Tgt Ion: 117 Resp: 11278

Ion Ratio Lower Upper

117 100

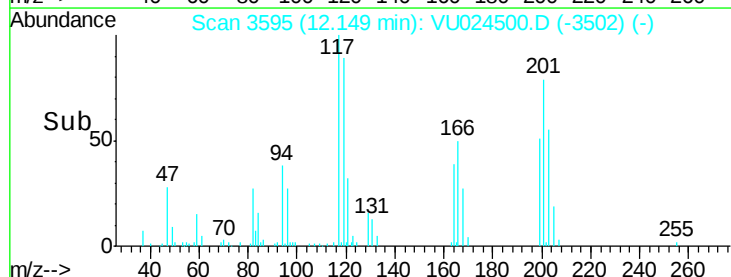
201 79.7 41.1 123.3

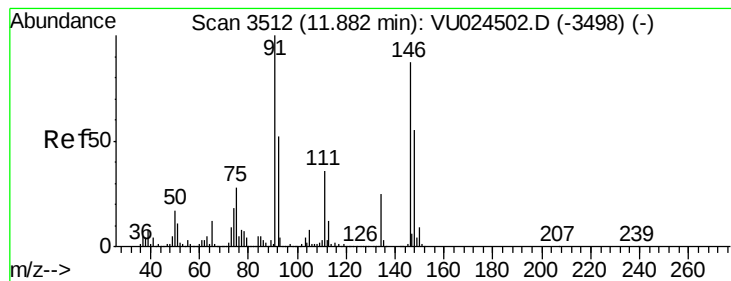


Abundance Ion 116.80 (116.50 to 117.50): VU024500.D (-3580) (-)

Ion 200.70 (200.40 to 201.40): VU024500.D (-3580) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 5.01 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

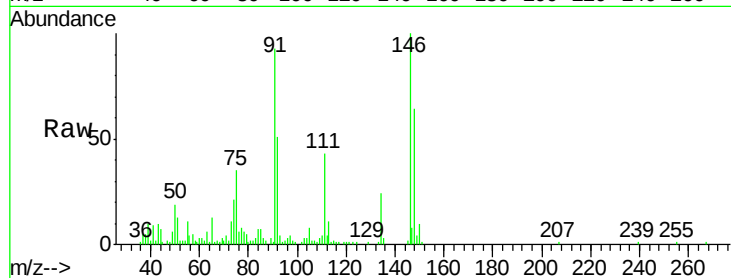
Tgt Ion:146 Resp: 29119

Ion Ratio Lower Upper

146 100

111 44.3 20.5 61.6

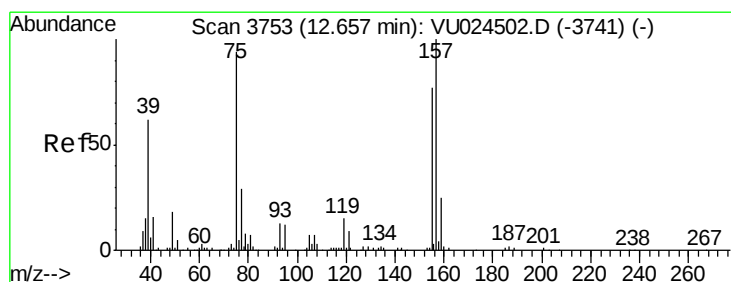
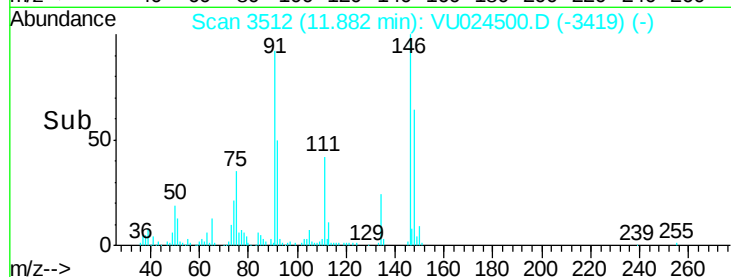
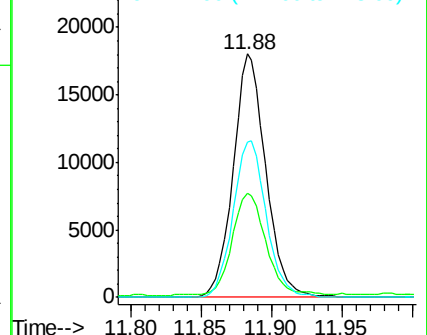
148 65.3 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.71 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU024500.D

Acq: 13 Jun 2018 11:56

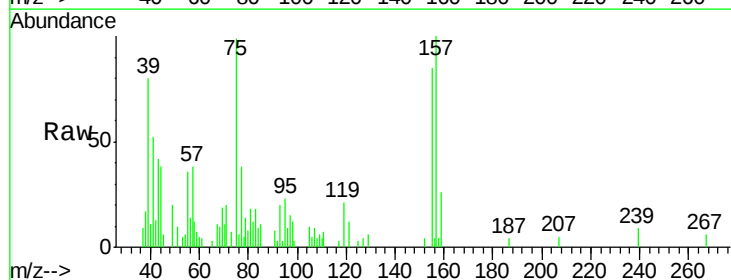
Tgt Ion: 75 Resp: 5526

Ion Ratio Lower Upper

75 100

155 84.4 40.4 121.2

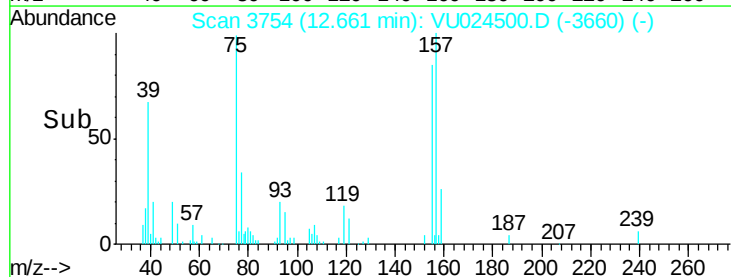
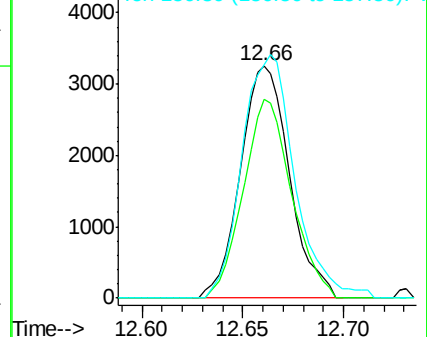
157 112.9 52.3 156.8

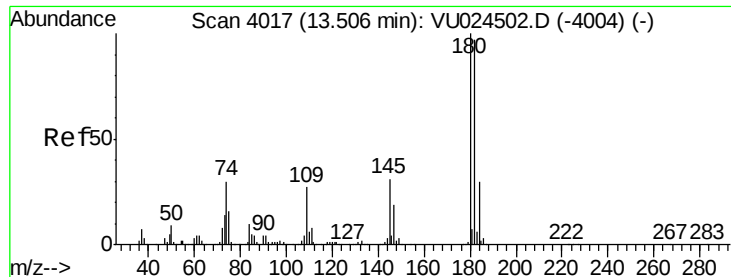


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

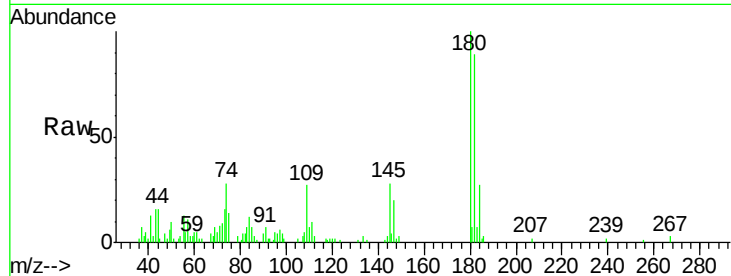




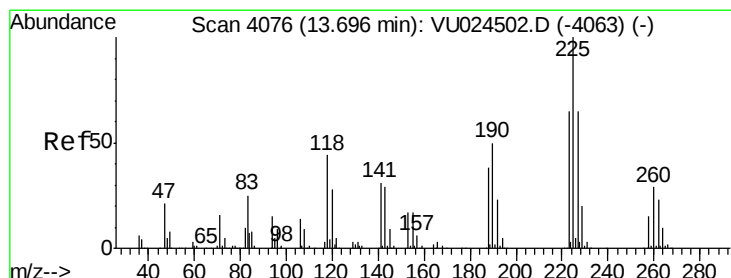
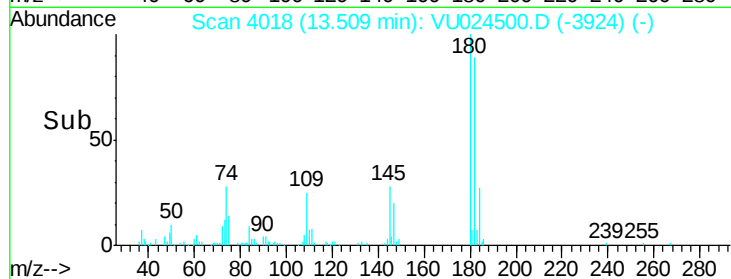
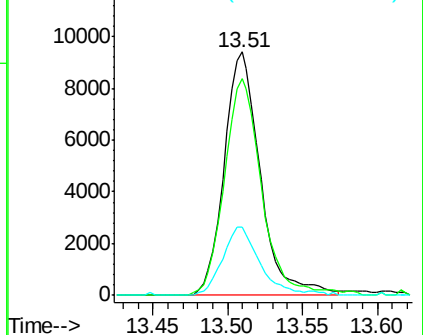
#93
 1,2,4-Trichlorobenzene
 Concen: 4.62 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 15864
 Ion Ratio Lower Upper
 180 100
 182 91.5 48.0 144.2
 145 28.6 14.7 44.1

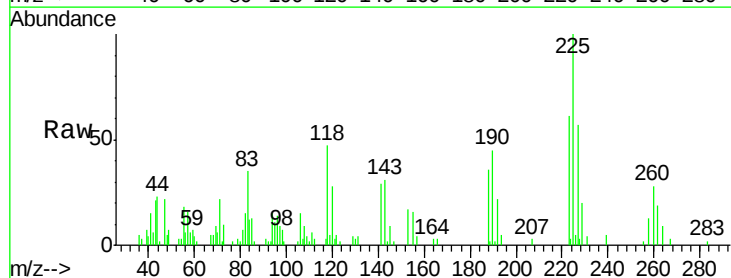


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

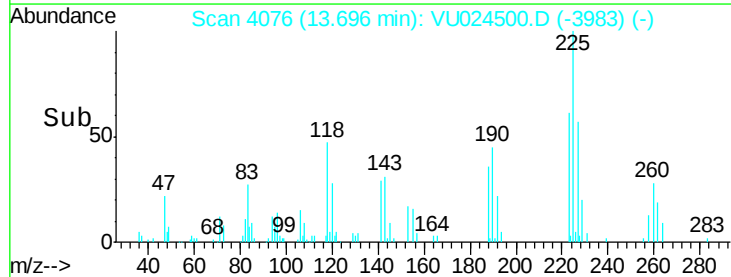
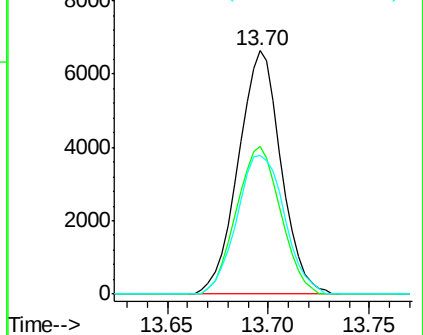


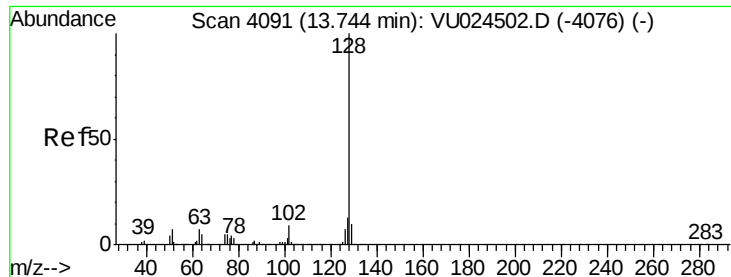
#94
 Hexachlorobutadiene
 Concen: 4.84 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion:225 Resp: 9879
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.3 93.8
 227 63.4 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

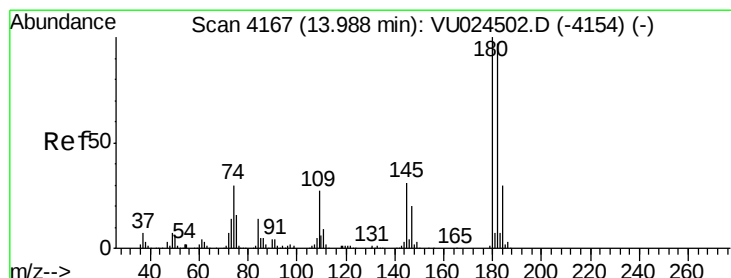
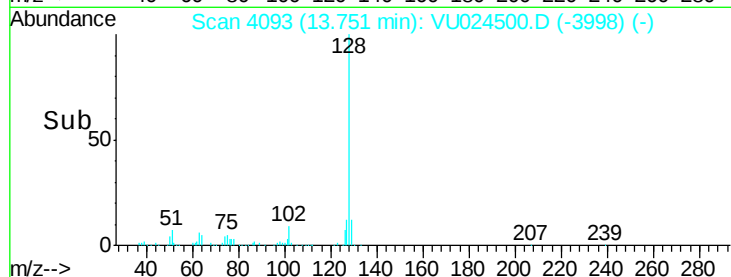
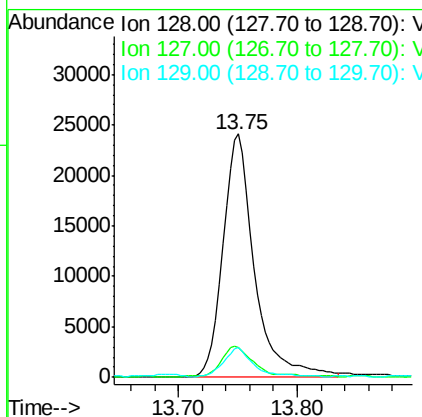
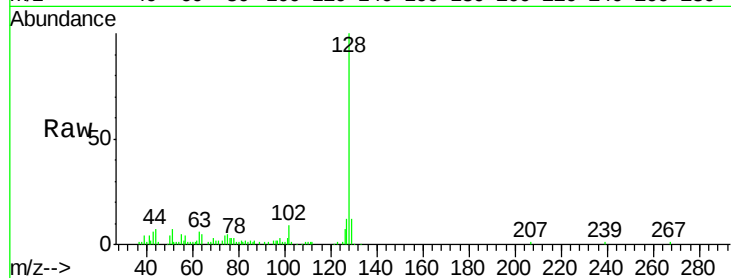




#95
Naphthalene
Concen: 4.70 ug/l
RT: 13.75 min Scan# 4093
Delta R.T. 0.01 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 44133
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 12.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 4.52 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU024500.D
Acq: 13 Jun 2018 11:56

Tgt Ion:180 Resp: 15680
Ion Ratio Lower Upper
180 100
182 94.0 47.9 143.7
145 35.1 15.4 46.1

